A Bibliography of Publications about \textit{PVM (Parallel Virtual Machine)} and \textit{MPI (Message Passing Interface)}

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Title word cross-reference

+ [BDV03, Cha02, HDB+13, Lec12]. 0 [ICC02]. 1 [ICC02, LRQ01, VDL+15].  
$\text{\$19.95}$ [Ano95b]. 2 [Bha98, BAS13, CGU12, ES11, KRKS11, KO14, WMRR17, WRMR19].  
$\text{\$24.95}$ [Ano95c]. 3 [And98, BCL00, BAS13, CP15, DYN+06, EFR+05, GCN+13, HF14a, HF14b, JR10, KO14, KD13, KHS01, KLR16, MSZG17, NSM12, SSS99, SC19, SH14, TPD15, WR01, YSL+12].  
$\text{\$35}$ [Ano00a, Ano00b].  
$\text{\$35.00}$ [Ano99a, Ano99c, Ano99b, Ano99d]. 3D [KA13].  
$\text{\$60}$ [Ano00a, Ano00b]. 3 [PBC+01].  
A [ARYT17]. $\alpha$ [JMdVG+17]. $Ax = b$ [BG95]. $D$ [UZC+12]. $H^2/H^\infty$ [GWC95]. $k$ [She95, TK16]. $\leftrightarrow$ [GRW+19]. $M^3$ [JSH+05].  
PVM$^+$ [Wil94]. $N$ [IHM05, Per99, Rol08b, SP99, SRK+12]. $P_N$ [OGM+19]. $P_{N-2}$ [OGM+19]. SU(3) [BW12]. $\tau$ [RGDM15, RGDM16]. XY [KO14].  

-based [Rét19]. -body [IHM05, Per99, SP99, SRK+12]. -D [DYN+06, SSS99, SH14, Bha98, ES11, KHS01, NSM12]. -Dimensional [LRQ01].  

. [Wil94].
/Fortran [TBG+02]. /many [KSG13]. /OpenMP [VDL+15].

1 [HMKV94, SOHL+98]. 10-Gigabit [HeF05]. 100 [Str94]. 100k [SC19]. 10th [DLO03, IEE96e]. 11th [IEE97b, KKD04]. 12th [Hol12].
128-processor [LL01].

2 [AKL99, BCAD06, BHS+02, BMPZ94a, CwCW+11, CD96, DPD08, FST98a, FST98b, GFD03, GGHL+96, GT01, GHLL+98, GLT99, GLT00a, GLT00b, HGMW12, Jou96, LC97b, LSK04, MS02a, MKO4, PS00a, SS99, SSL97, TRH00, VAT95, bT91a]. 2-0 [BDW97, EdS08, FF95, USE00].

3 [BT95, C14, Che10, FCS+19, GBH18, GPL+96, GLUT12, Gro12, HDT+15]. 3-D [BH95]. 3.0 [Ano97, Bra97, BMR02, BRM03, DBB+16, KaM10, OP10]. 3.06 [Ano03]. 3.D [ACM04]. 3.4 [Gei97, GKS97]. 3.X [KS96].

4 [Ano03, HRZ97, KSHS01, NU05, SD13, SBT04]. 4.0 [DSGS17, JCP15, dOSMM+16]. 4.5 [CBYG18]. 43 [UCZ+12]. 45-degree [CT13]. 48th [IEE94e]. 4th [BDW97, EdS08, FF95, USE00].

5 [TRH00]. 512 [RBB97c]. 5th [AD98, Cha05, IEE94a, LHC00]. 600 [LSK04]. 6000 [AL93, NMW93]. 64 [dCZG06]. 64-bit [Wil93]. 6th [ACDR94, DLM99, GT94, PW95, SHM+10, Sin93].

7th [ACM95b, CGKM11, DKP00, GN95, PBB+95].

857 [SMSW06]. 897 [HWS09]. 8th [CMR12, CD01].

90 [Ben95, SM03]. 9076 [BT95]. '91 [BG91, EJL92, IEE91]. '92 [Sie92a, Sie92b, VW92]. '93 [Ano93g, GGK+93, GHH+93, IEE93a, IEE93e]. 93SC038 [FS93]. 93SC041 [Gle93]. '94 [BS94, DW94, GT94, IEE94b, IEE94h, PSB+94, SPE95, WPH94, dGJM94]. 947 [LTD13]. '95 [ACM95b, AH95, BH95, CLM+95, CJN95].
Advection-Chemistry [AKK+94].
Advisor [GVF+18]. Aerospace [MAB05].
Affine [DBM16]. Affinity
[ETWAM12, AGG+95, NAAL01, vdP17].
Affordable [Rol94]. again [Har94]. against
[GHD12]. Age
[MDSC09, Ano94f, GJLT11, HK95]. AGBE
[SAS01]. Agent
[Mat01b, MCB05, ZWZ+95]. agent-based
[MCB05]. agents [KBA02]. Aging
[LRBG15]. Aging-Aware [LRBG15].
AIMS [Yan94]. Air
[AKK+94, BZ97, MPD04, MSML10, BTC+17, SH94, SYd94].
airspace [TCP15]. Aix
[GA96, Ano01a]. Aix-les-Bains
[GA96]. Al
[Ano95b, NMC95]. Alamos [Old02].
Albuquerque [IEE91, IEE95d]. Alchemist
[GRW+19]. ALDY [GS96]. ALE [HAA+11].
Algebra
[BDT08, CDD+13, Coo95b, DGH+19, IS16, MGMH97, Neu94, van97, BKvH+14, Cal94, Coo95a, LRLG19, PMZM16, dCH93].
Algebraic [CGPR98, Lev95]. Algorithm
[ACMR14, BST+13, BP99, BT01b, DYN+06, FJBb+00, HA10, HD02b, ITT02, MW98, PKd95, PB12, RDMB99, Rö919, SAS01, Sch96a, SSLMW10, SWH15, Sta95b, TK16, WHDB05, ART17, AAAA16, ARL+94, Ad95, BBC+19, BB95a, BAV08, BY12, BCM+16, CUC95, CT13, CSW99, GM94, GCN+13, GGL+08, GKK09, GP95, HWS09, IM95, JR13, KDSO12, KY10, KWEF18, Kan12, KBP16, KN17, KOM14, Kom15, KRC17, LYIP19, LYZ13, MM92, MLVS16, MK00, NB96, NAJ99, OKW95, OGM+19, OKM09, PGBF+07, PSLT99, Ram07, RJc95, RAGJ95, Sch96b, SOA11, Sur95a, TNI17, TGGK19,Was95a, YULMTS+17, ZSK15, ZWL+17, DfH94, van93, HWS09, LTDD14, Riz17, Spe19, SMSW06].
Algorithm-based [PKd95].
Algorithm-Dependant [BP99].
algorithmic [HHSM19, RJDH14].
Algorithms [ACM95b, ATC94, ADRCT98, ASA97, CCSM97, DALD18, DAK98, DK06, FB94, GAMR00, GKL0, HO14, HHK94, IEE96d, KTB+19, KK02a, LHHM96, Li96, LAD16, MTSS94, MGMH97, MB85, Nar95, Pet97, PBK00, SG15, VRS00, AK99, AL92, BHJ96, BMS+17, BID95, DDLM95, FR95, FP92, GWC95, HL17, HPLT99, HK0011, HS95b, Jou94, JRM+94, KL95, KRG13, LFL11, LNW+12, LRLG19, MK16, MJG+12, NP12, Ols95, PP16, Pan95b, PBK99, PD11, PCS94, RHG+96, SPE95, Sur95b, TSZC94, WCVR96, YLZ13]. alias
[SOA11]. alias-free [SOA11]. aligned
[AGIS94]. Aligners [SMM+16]. Alignment
[GRW+19, AMHC11]. all-port
[RJMC93]. All-to-All
[LZH17, LZH18, Trö02]. Allgather
[KTAB+19]. Allgatherv [KTAB+19].
Allocation
[AGS97, BS01, DGG+12, RFRH96]. alloy
[UTG94]. ALM [PZ12]. Altera
[RGB+18, TK16]. Alternative
[EM94, SWH05, Trö12a, EKTB99]. ALWAN
[HB96a, HB96b, MSB97]. Amazon
[ZLZ+11]. AMBER [SL95].
AMBER4 [VM95]. American [Ara95].
AMIP [Gat95]. Among [CB16]. AMPI
[ZHk06]. AMPIC [CCHW03]. amplified
[EZBA16]. AMR [NLRH07]. AN2 [HBT95].
analogue [WWZ+96]. analyses [ANS95].
Analysis
[BHW+17, BR20, BGG+02, BBC+00, BDL98, CGLD01, CAL+19, EML00, FK01, FJK+17, Hol12, JF95, KL94, KNT02, KRG13, LCK11, MK17, MCLD01, NAW+96, NMS+14, Ost94, PZ12, PGAB+05, SPL+12, SB95, Sn01, TFGM02, Whi04, WM01, BB93, BBH14, BBH+15, Che99, DSGS17, EVP+17, GR95, GFB+14, GSM+00, GKS+11, GE95, GE96, GT07, JB96, JLG05, LC07, LLG12, LRLG19, LL16, LBH12, MBM+94, MMW96, MLA+14, MJPB16, Pat93, PHJM11, PSV19, PGAB+07, SdSCP13, SYs12, SS94, SDJ17, SPH95, Shi94, Sil96, SWL+01, SSG95]
analytic [THDS19].

analytical [BHW+12, HK09, JS13, KN17].

Analyzer [JJPL17, KKM15]. Analyzers [Ano01a]. Analyzing [BRU05, DF17, FM09, HG12, HeF05, PFG97, RPS19]. anasslich [Ano94c]. Anatomy [KWEF18]. Andrew [Ano99c, Ano99d].


Applications [Ano98]. Annual [ACM95b, Ano93b, Ano94h, IEE95b, USE00, Van95, Y+93, ACM95a, Eng00, IEE94e, IEE95l]. Ant [ITT02]. ante [Ano03]. antenna [DSOF11].

Applications [APJ+16, AGS97, Ano89, Ano96c, AZG17, BCLN97, Ben18, BHV12, BBH+06, BRU05, BFM97b, BFBW01, CGS15, CBL10, CGLD01, Cha05, CNW95, CRGM14, Cot98, CTK00, Cot04, Cza02, Cza03, DW02, DLM+17, DERC01, DHK97, DG97, DGMJ93, EV01, EML00, FL98, FD00, FGRD01, Fer92, FK95, Fin00, FC05, FM09, GKP97, GK10, HMK90, Hus98, IEE95l, ITT02, JHS93b, JJPL17, KB98, KBS04, KGK+03, KPK01, KK02b, Kuh98, La01, LAdS+15, LWSB19, LRG14, kLCCW07, LdB91, LMRG14, dLR04, MSOG01, MS02a, Mar02, Mat01b, MAB05, MC98, MG15, MAN09, PSM+14, Rei01, RPM+08, RBB15, RBL01, SPL+12, SG12, SPH+18, SC04, SPB+17, SSB+17, TTSY00, TFGM02, VdS00, VY02, Vos03, Wal96a, WC09, WZM17, WJA+19, Wis96a, WSN99, WBH97, WM01, dGJM94, AC07, ACH+11, AC12, Ano93a]. applications [Ano94f, Ano03, Ara95, Arn95, ASB18, AGMJ06, BKH+13, BR04, BDV03, BAG17, BF96, BFM97a, CGK+16, CB95+15, CDM15, CLSP07, CBM+08, CIJ+10, CFPS95, CCHW03, CCM+06, D298a, DSZ94, DPFT19, D95+, DCH02, EKTB99, EGH99, EDSV09, FE17, FNSW99, FCS+12, Fin94, Fin95, FF95, GBR15, GS02, GHD12, GJMM18, GS96, GSM+00, GH+93, HZ99, HAJK01, JC17, JPTE94, LM17, LCM17, LBB+19, LZHY19, LS08, MA09, MKBM12, MLC04, MS96b, NBSB07, NC2+12, NFG+10, PK05, PTL+16, Rab09, RS95, RGPG+18, SJLM14, SPE95, SBG+12, SD17, SGH12, SG05, SIC+19, SL95, SB01, SD16, SRS+19, TMC09, TBB12, TPLY18, Vot02, Wis96b, Wd02, WT13, WMP14, XLW+09, YZ14, ZLZ+11, BP93, TDBEE11, ATC94].
Applying [GSM00]. Approach [AZG17, BHM94, BJ93, BHNW01, CRGM14, CD98, DLM+17, FFP03, GCB12, HD00, KBA02, KK02a, KmWH10, LGM00, Mar06, PPR01, Pet00a, Pet00b, RGD13, Ros13, TJPF12, BK11, Bis04, BTC+17, CLYC16, CDF99, CRGM16, DiN96, EO15, FMS15, HDB+13, JS13, KPL+12, KSSS07, KJEM12, LSG12, MGG05, MS99b, NEM17, OHG19, OW92, SVC+11, SEC15, TWFO09, VGP+19, WO09]. Approximate [Huc96, MM02, GGC+07, GG09, MM03]. Approximation [SLJ+14, SJLM14]. April [ANS95, AH95, Ano93h, Ano94h, CH96, DR94, GH94, Ham95a, IEE92, IEE93b, IEE95f, IEE96e, IEE97b, IEE05, LCHS96, MC94, Nar95, Sie94, SW91, Ten95]. APS [GT94]. AQsort [LTS16]. AQUAgpusph [CP15]. arbitrary [HP11]. ARCH [Ada97, Ada98]. architectural [GCC+07].

Architecture [BG94a, CGC+11, CLOL18, EBKG01, EM02, FD97, Fuj08, HRZ97, IEE97c, ITK10, LSLZ12, PT01, PS01b, SMM+16, SC04, SYL19, WP11, YTH+12, BCR99, BG94e, CSPM+96, CS96, CBIGL19, Din96, FHC+95, HK90, MMDA19, MRH+96, PWd+12, SWYC94, SSGF00, Squ03, SP11, WCC+07, YAJG+15, YEG+13, ZWZ+95]. architecture-independent [Din96].

Architectures [ACM95b, BDT08, BFG+10, CHPP01, HD02a, HD02b, HHK94, IEE96d, KDT+12, LHHM96, L96, LZH17, LAD16, MS02b, MTSS94, MCS00, NO02b, Nar95, PZ12, SMMX+18, TSCaM12, YK+18, ZTD19, BDP+10, BN00, BKML95, CLM+95, CDZ+98, DM93, DZZY94, GDC15, GP95, HHS18, Hos12, LCL+12, LDJK13, MLC04, NO02a, PY95, RFH+95, RMMN+12, SPL99, TDG13, TSZC94, Uh95a, VDL+15, WST95, dlAMC11]. Area [CDHL95, Fis01, BHW+12, FGT96, FGG+98, KHB+99, Qu95]. area-based [Qu95]. arising [ARvW03]. Aristotle [FSV14]. Arithmetic [Ano98, JPT14, Sur95a]. Arithmetic [HD00]. Arizona [IEE95b, JB96]. ARM [AFGR18, MGL+17]. ARM-based [AFGR18]. Array [DDPR97, HD02b, LTS16, WG17, CCM12, DK13, HSE+17, JKN+13, Ott93, TOC18, Wal02]. arrays [HCL05, RBS94]. Arrival [FPY08, MLVS16]. art [LF93b]. Artificial [BPG94]. ARTUR [FJBB+00]. ARVO [BHW+12]. ARVO-CL [BHW+12]. ary [Pan95a]. Ascona [DR94]. Ashes [Thr99]. ASL [FGRT00]. ASME [LF+93a]. aspects [CG99a]. Assembly [PGF18, TP15]. Assessing [LMG17, dLR04, MABG96, TSCaM12, CMV+94]. Assessment [Mat01b, TAH+01, B097, LH98]. Assignment [Cza13, CK99]. assist [Kik93]. Assisted [GTH96, GM13, MM13]. Astro [CC17]. Astronomical [JB96, SPH95]. asymmetric [GCN+10]. asynchronization [FSG19a, FSG19b]. Asynchronous [Ada97, Cav93, CZ95a, CDP99, HE02, SPH+18, BDH14, BCK+09, CZ95b, DDYM99, RSC+19, Sch99]. Athapascan [CP98]. Atlanta [AGH+95, Ara95, USE00, UCW95]. ATM [GFV99, HBT95, Jon96, LHD+94, LHD+95]. Atmosphere [BS93]. Atmospheric [HK93, KBBS19, RSBT95]. atom [MGG05]. Atomic [LRT07, LAFA15, SYF96, DS13, Hin11, SY95, XF95]. atoms [JLS+14]. Attacks [PV97, GHD12]. attempt [GM18]. Attraction [GB96]. audio [BJ13]. Augmented [GJT91]. August [ATC94, AG95a, BFM90, DMW96, GT94, HAM95b, IE94g, IE95k, IE95i, IE96f, LF+93a, Las94, PSB+94, PBG+95, Re96, V95, Was96]. Aurora [LdSB19]. Austin [IEE94b]. Australasian
Australia [GN95, Nar95, ACDR94, Bil95]. Australian [ACDR94, GN95].

Austria [ACCD94, GN95].

Australian [ACDR94, GN95].

Austrian [Bos96, BH95, Kra02, TBD12, Voig93].

Austrian-Hungarian [Bos96, BH95, Kra02, TBD12, Vol93].

Auto [CC17, DWM12, DBLG11, PSB+19, DwdLV94, DR95, FMBM96, FH97, Hum95, JH97, MM03, NP94, SGS95, SY95].

Auto-Generation [CC17, DWM12].

Auto-link [GMPD98].

AutoMap [GMPD98].

Automata [Car07, BBK+94, SC19].

Automated [BMPS03, MVL95, RKP18, LLG12, RFRH96, Yan94].

Automatic [BBML12, BBK+94, CL08, BHK+06, CBL01, Cza03, DW02, EML98, EML00, FAFD15, FM11, GKF13, HZ99, JFY00, JYY+03, JJPL17, KOI01, KHS12, MB18, MGA+17, NCB+17, OWSA95, Rab99, RGD13, SZ11, SR96, SSB+17, TJ1F12, WC15, WM01, APBcF16, AMuHK15, AGG+95, BR04, BRHS08, CHK15, CdaMN96, CPR+95, HZ96, LME09, LF93b, WMP14, ZH10, FV00].

Automatically [VZT+19, WBSC17].

Automation [Ano93a].

Automotive [Ano93a, Ano93a].

Autotuning [BAG17].

Auxiliary [STMK97].

Available [Bak98, BF98].

Avoidance [CRGM14].

avoiding [GDG+18].

AVTP [FHC+95].

Award [Str94].

Awards [Str94].

Aware [APJ+16, BHP+03, Ben18, EGR15, GFI+18, HVA+16, LRBG15, MJ01, Pan14, ZLP17, BLVB18, CLA+19, CGH+14, FA18, GHZ12, HJYC10, HG12, JKN+13, KBG16, MBBD13, MSMC15, SHM+12, SPK+12, WSRY16].

Awareness [HK09, VGS14].

AXAF [NH95].

AXC [CBIGL19].

Backup [Gua16].

Bains [GA96].

Balance [HE02].

Balanced [EZBA16].

Balancing [BkdsH01, DBA97, DI02, DK06, FSG19a, GCBL12, MM02, PT01, Ps95, ST97, Wal01a, Bir94, BS05, DZ96, DLR94, DwDV94, DR95, FMBM96, FH97, Hum95, JH97, MM03, NP94, SGS95, SY95].

Balatonfured [DKP00].

Baltimore [IEE02, SP95].

Bamboo [NCB+12].

band [DG95].

Bandwidth [NE01, RK01].

Bangalore [Kum94, PBPT95].

Barbara [ACM95b, AH95, IEE95f].

Barcelona [DLM99].

BARRACUDA [EPP+17].

Barrier [CLD+15, SDB+16, Y213].

Based [Ada97, AHD12, AAB+17, AP96, BHW+17, BDG+91b, BoFBW00, CAM12, CG+02, CL18, CLP+99, CDPM03, DW02, DLLZ19, DBK+09, FSC+11, FC05, For95, FSL98, GSSx, GFJT19, HF14a, HF14b, HM01, Hus90, KLR16, LSLZ02, LZH18, KL11, LWP04, LAFA15, MDM17, MGL+17, MM98, HLSV16, NE01, NHT02, NPS12, PPT96a, PCY14, PFG07, PSSS01, RDMB99, SPL+12, SM03, Snit93a, ST02b, ST97, SJK+17a, SJK+17b, THS+15, TD98, W18TH, WC09, WZH16,Was96a, WM01, WJB14, YG96, YTH+12, ZWJK05, AKB+19, Ada98, AASB08, AAAA16, AVA+16, Ano93, AFGR18, BLPP13, BDG+92a, BLVB18, BCH+93, Bt95, BFMT96a, CwCW+11, CC10, CPM+18, CKM11, CRM14, CXX+12, DBX96, FE17, FBBF99, FJZ+14, FNSW99, FSTG99, FLPG18, FFFC99, FWS+17, GS91a, GS92, GKS+11, Gra97, Gra99, GFPG12, HZ94, HWX+13, IM95, ITT99].

based [JL18, JKM+17, KLV15, KPL+12, KPNM16, LV12, LW01, LKL96, LNW+12, LG16, LMM+15, MYB16, MM+16, MKP+96, MCB05, MT96, MS99a, MS99b, MFPP03, Neu94, NHT06, OLG+16, OP98, PARB14, PES99, PPT96b, PK05, PS19, PaD+17, PGK+10, PSHL11, PKD95, PSK+10].
PSLT99, Qu95, Rag96, Röt19, STP+19, SJLM14, SS09, SG05, SSS99, SZ11, SVC+11, SXM+18, SLS96, SKB+14, Sto98, Stp18, Str96, SLN+12, TBB12, TGKL19, TY14, TBR96, TWFO09, TMPJ01, WHMO19, WO09, WTOF14, WTS19, WGG+19, Wis96b, WCS99, YC98, YL09, YWC11, YSL+12, ZAFAM16, ZLP17, ZHK06, ZZG+14, ZWZ+95, vHS94, BFMT96b, FH97, KSJ95, WAS95b, FO94, GK97, KSJ96, PY95, Sut96, TSSC94, ZPLS96. Basel [Ano94i].

Bayesian [Ber10], BC [IEE95i], BCS [FFP03], BCS-MPI [FFP03], be [CB00].

Basis [OIH10, RCFS96].

Bath [BP93].

Bayesian [Fer10].

BC [IEE95i].

Behavior [BFM97, DeP03, Ros13, LLG12, PPF89, YMYI11].

behavior [EPML99].

Belgium [LCHS96].

Benach [TV99].

Benchmark [BBV+12, DS16, HC10, Luo99, Müller02, MM+12, RSPM98, RTH00, SGJ+03, Trai12b, UTY02, Ano03, BKM195, DWM12, DH95, DHS96, Müller03, MVWL+10, PHJ11, Reu01, RST02, Wor96, YSWY14].

Benchmarking [CC05, HCA16, LCH96, MMU99, MCS00, WRA02, RST02].

Benchmarks [CRE99, KS96, KAC02, MM07, NA01, RK01, TSB02, TSB03, WAS95b, ZH01, CDD+96, MHH99, Ste94, WT11, CEO0, WT12].

Beneficial [CB00].

Benefits [LB16, PSM+14, SIR17].

Benutzerprofile [Wil94].

Benutzerfreundlich [Ano94c].

Beowulf [CC00, Ste00, UP01].

Beowulf-Class [Ste00].

Berlin [PW95].

Bessels [KT10].

best [GT19].

Betriebssystemkern [Sei99].

Better [Str94].

Between [AAB+17, BS07, ASS+17, AK00, BID95, GFV99, JAT97, LDC97, MSP93]. Beverly [IEE93f]. Beyond [Gei93a, GKPS97, Gei98, Gro12, Olu14, Gei93b, LSG12, Sch93, SHM+10].

Biconjugate [GFPG12].

bi-directional [HE15].

Big [CLO15, GTS+15, LK14, VPS17, ASS+17, Str94].

Biharmonic [RB01].

Bill [Ano99c, Ano99d].

billion [KTJT03].

Bilions [MRB17].

binary [GT19].

Betriebssystemkern [Sei99].

Better [Str94].
clock [NB96]. clocks [TPLY18]. CLOMP [BGaS09]. clone [ZWL+17]. Closer [HCF16]. Closure [CGPR98, KH15, PPR01]. Cloud [SIS17, URGK12, ZLZ+11, ZLP17, GFIS+18, GHZ12, GWVP+14]. Cluster [AUR01, BKGS02, BL95, BM97, CREE99, CMM03, HD02a, ES11, GGCG99, Gei94, Gei00, GSN+01, GT01, GC05, HD02b, ITKT100, IDD94, KKH03, KS96, KS01, KHS1, LR10, MFBT95, MM01, NO02b, OF00, PFG97, RB01, RST06, RLL10, SCR92, SHH10, SHTS01, ST02a, TOTH99, Tra02b, YCA18, kT01a, AL93, BLP93, BAL95, BCT+17, BID95, CCF+94, Coo93, ED94, GKY97, GMU95, Heb93, KEGM10, KO14, Kom15, LC07, Miu95, MW93, MM03, NO02a, PDI14, RJHD14, SS94, SR95, ST02b, SLS96, SY95, SS94, Tho94, THM+94, Tsu95, UH96, YWO95, ZLZ+11, MS04].

cluster-based [SLS96]. Cluster-enabled [SHH10]. clustered [KHB+99]. Clustering [BBH12, HA10, RJC95, GGL+08, YCL14]. Clustern [MS04]. Clusters [AH90, AHH97, BDH+95, BDH+97, BWV+12, CLOL18, CSC96, DK06, GDM18, GMDMB+07, GSY+13, HPP02, HSMW94, HVA+16, Hus00, JNL+15, LC97a, LH95, LVP04, LHCW05, MS98, MFPFP03, Pan14, PKB01, PTO1, PSS0a, Pus95, Rei01, DOSM+16, SFG98, Svl99, Ste00, Tso00, UPO1, WNL03, WT12, YWCF15, YKI+96, AB95, ALR94, ADB94, ABG+96, ADMV05, BWT96, BDV03, Bru95, CRE01, KTB99, GBF95, HCL05, Hus99, JKH08, Jou01, JR10, JRM+94, KLY03, KLY05, KSL+12, KJEM12, LBD+96, Lee12, LLC13, LL95, LKYS04, NWM03, NN95, PS07, PRS+14, PM95, PR94c, PSS16, PSL0, RCFS96, RGDML16, Slo05, SC96a, SL95, TFZZ12, WNL06, WLYC12, YST08, YL09, YHL11, YWC11, ZHS99, dCH93]. CM [SBG+02]. CMMD [Har94, Har95]. CMPI [GHZ12]. CMS [FMS15]. CNF [IKM+01, IKM+02]. CO [ACM01, AHH97, GDM18, HJ98, PSB+19, TOC18, Wal02]. co-array [TOC18, Wal02]. Co-designing [AHHP17]. co-execution [PSB+19]. Co-Expression [GDM18]. Co-processed [HJ98]. Coarray [GBR15, YMB14]. coarrays [SMCH15, SC19]. Coarse [ADCT98, IO00, KO10, LGM00, NO+02, He93, RJ95].

Coarse-Grain [IO00]. coarse-grained [He93, RJ95]. coarsening [PSLT99].


Coarse-Grain [IO00]. coarse-grained [He93, RJ95]. coarsening [PSLT99].

Coast [AB95]. Coastal [GDB95, YBMCB14]. 

CoCheck [MS96b, Ste96]. Code [AHP01, And98, BCGL97, CB00, CP97, CCK12, CCBPG15, DDL00, DZDR95, HE02, KaM10, KAMAMA17, KHS01, LD01, MS02b, MM07, PBC+01, RGD13, SM03, SZBS95a, Sta95b, ADB94, AFST95, BCAD06, BACD07, BW12, BHA98, Bre95, Coo93, DLR94, EZBA16, FMFM15, GSKM17, Heb93, IJM+05, JL18, KLE+12, KH10, MGS+15, MRH+96, MWO95, PKE+10, PS+10, RP95, RVKP18, SZBS95b, SK00, SFLD15, SMSW06, TDB96, VBLvdG08, VDL+15, Wor96, YL09]. 

codebooks [PMM95]. Codes [FAFD15, JFY00, SWH15, HTJ+16, HWS09, HASnP00, KBG+09, LRW01, Mal01, OLG+16, WB96].

Coding [Uhl94, Uhl95b, SCC96]. Coecients [MW98, ARYT17]. cognitive [PWB+12].

Coherence [MM07]. Coherent [SS01].

Collaborative [DCCJ12, DCPJ14]. Collapse [PKYW95]. Collecting [BMR01].

Collection [LTRA02, DH95, MGC+15].

collection-oriented [MGC+15].

Collections [JFR91]. Collective [BIL99, BIC05, CCA00, FVD00, FCLG07, FPY08, GLB00, GMDMB+07, Hus99, KH96, MJG+12, PGAB+05, SG15, TRG05, VFD02, WRA02, FA18, HS12, HMS+19, HG12, HWW97, KHB+99, KBBH94, KMM+14, MMBD13, Pan95b, PGB+07, PGAB+07, RJMC93, SCB14, SCB15, SS99, TD99, Tra12a, TFZZ12].

Collectives
[CSW12, SvL99, DJJ+19, Zah12]. Collector
[GTS+15, WK08a, WK08c, WK08b].
College
[AGH+95, Ano94f]. Collision
[QRMG96, Sta95b, ART17, FFFC99, 
LHLK10]. Collocative [MKW11]. Colony
[ITT02]. Colorado [R+92, IEE05]. Colt
[WN10]. Columbia
[IEE95a, IEE95e, MAB05]. column
[HSP+13]. column-stores [HSP+13].
COMA
[GB96]. Combined
[CBHH94, TJPW12]. Combinig
[DP94, LSM+18, PQR18, Rab98, SCB14, 
Sch96a, SMAC08, YPAE09, Bor99, Sch96b].
comes [Ano94f]. Coming [HK95].
Commands [OLG01]. comments [Str94].
commer [Ano94f]. commercial [Ano93b].
commerce [GGL+08]. Common
[HEH98, DK13, WLR05]. Communicating
[FFK+96b, GMPD98, FKK96a].
Communication
[ABF+17, BCG+10, BIL99, BIC05, DCPJ12, 
DZZY94, EM02, FST98a, FJK+17, FGKT97, 
FBSN01, GFD03, GFB+03, GSG99, 
GKD+18, GFV99, GLB00, GC05, HB96b, 
HC10, HDB+12, HC06, HIP02, KB98, KV98, 
KBG16, LRT07, LC93, LVCD94a, MH01, 
MM98, MR96, NM00, PLK+04, RK01, 
RRGMO7, RT06, SWHP05, SCP97, 
SH12, SBC+02, SJ02, ST02b, SGL+00, 
SKH96, Sun12, TRG05, TGT05, TRH00, 
Trö02b, UMK97, WBH97, XH96, YC98, 
ZSG12, AC07, FH98, BHJ96, BVML12, 
BBH+13b, BS94, BMG07, CAHT17, 
CL+93, Dem96, DWM12, DCPJ14, 
DGB+14, DDB+16, DS96b, GKB97, GM13, 
Gra07, GL94, GB94, HB96a, HWX+13, 
Hus99, HWW97, KH96, KB01, KLY03, 
KL05, KHB+99, LRO6b, LFL11, MLAV10, 
MUM99, MABG96, OGM+16, Pan95b, Par93, 
PGK+10, PM95, PKE+10, PK+10, PS00b].
communication [SH14, SC95, TG09, 
TGLK19, Trä12a, Vet02, Wu99, WMP14].
Communication-avoiding [GKD+18].
communication-based [PGK+10].
Communication-buffers [MR96].
Communication/Computation [HIP02].
Communications
[BPS01, CP98, CDH95, CDH+95, FVD00, 
FST98b, GT01, GBS+07, GMdBMB+07, 
IEE95b, IEE95e, LHZ17, LHZ18, MB00, 
VFD02, YTH+12, bT01a, ADL03a, 
ADLL03b, BBW19, CDP99, FA18, HS12, 
KBHA94, MBBD13, MrR92, MN01, MS99c, 
RSGDL16, SCB14, SCB15, TD99, WLYC12].
Communicators [DFKGS01, GFD03, 
GFD05, FKS96, GMM18, HK96, MJG+12].
communities [ACM04]. Community
[BHW+17, FCP+01]. Como [CLM+95].
COMOPS [Luo99]. Compact
[Uhl94, Uhl95b, Wor96]. compaction
[VSW+13, WK08a, WK08b, WK08c].
Compactly [KLR16]. Comparative [KB98, 
PSK08, SNO1, ARG+95b, ED94, YC14].
Comparing
[BF01, Fin97, GBR15, HVSH95, ICC02, 
LKJ03, ORA12, SGS95, JLG05, WBSC17].
Comparison
[BvdB94, BS07, HC10, 
KBM97, LCW+03, Mat94, Mat95, Ney00, 
OP10, OF00, PPJ01, Pk96, RS93, RB97a, 
SS01, SHH94b, VS00, Wai02, ZBd12, 
Ahm97, AB93b, BLP93, BID95, 
dFOSR+19, GMU95, Har94, Har95, JS13, 
KDS012, KH+18, KC06, MSP93, OS95, 
PS07, PSH11, Pri14, SM10, SYR+09, 
SWS+12, SHH94a, TOC18, TSSC94].
comparison-based [PSH11].
Comparisons
[GGS99, PG02, CLY16].
Compass
[PWD+12]. Compatible
[MM14, LBH12, OH10]. Compon
[IEE93a]. compete [Ano96a]. CoMPI
[FSC+11, FCS+12]. Compilation
[FSS17, HKMC94, LRGB15, RVK19, 
SVW91, Coe94, FM90, PGS+13, SHM+12].
Compile
[GB94, TSY99, JE95].
Compile-time [GB94]. Compile/run
[TSY99]. Compile/run-time [TSY99].
compiled [KLY03, KLY05]. Compiler
[Ano98, Dan12, IOK00, KSS00, KSHS01,
MB12, Mar09, MKW11, SSE12, SKS01, TJPFI2, TBG+02, TGBS05, BAG17, HEHCO9, LME09, LHC+07, LLC15, MA09, Müi03, PP16, RKBA+13, SHH10, THH+05.

Compilers
[Ano01a, CFF+94, LZ97, MKV+01, SBT04, SS96, HS012, PBG+95, ZT17]. Compiling
[DMB16, HS012, CGK11]. Complete
[BD07, GHL+98, NAG05, Per97, SOHL+98, YM97, Ano99a, Ano99c, Ano99b, Ano99d, PRS+14, SOHL+96]. Completed [PTT94].

Complex [BCGL97, GMPD98, MBS15].

Complexity [NPS12]. component
[HL10, KRKS11, Squ03]. Components
[BT01b, CT02, Fin00, Gro02a, Lus00, Wis01, GKD+18, LRW01]. Composable
[MLGW18]. Composed [We94].

Composing [PHA10]. composite
[MALM95, YPA94]. Compositing
[GPC+17]. Composition [CTK00, Cot04, DBL07, FC05, KH15, CFP96]. compound
[LLC13, SAP16]. comprehensive [RST02]. compressible
[HHFM19]. Compression
[FSC+11, KBS04, VPS17, AAAA16, HE15, UH96, Wu99]. compression-based
[AAA16]. COMPSAC [IEE95].

Computation
[BCD96]. Computation
[BKGS02, B+05, Cer99, DMS94, DSS00, EMO+93, ESM+94, ERF10, FG95, GS91b, HIP02, IEE94a, IEE96c, KS15b, Mar06, MR12, MSCW95, Nag05, PPR01, Sie92a, Sie92b, SMEO93, VZT+19, WTT17, ACM97a, AC07, ABDP15, Bis04, BALU95, Bos96, BHKR95, CL93, CMH99, CKP+93, Dab19, DZY94, HLM+17, HK94, KB01, KHS919, KJJ+16, KG93, Lev95, MLAV10, Neu94, NZ994, NCKB12, PFO5, PKE+10, Röh00, Shi94, SH14, TBB12, TDP15, TW12, Vol93, Wan97, Was96, SM07].

computation-communication [SH14].

Computational
[ALR94, CMM03, DFMD94, JFY00, KH15, Liv00, MBS15, R+92, SZBS95a, SM07, SYL19, SN01, TDBEE11, TGEM09, WPH94, Wh04, AGMJ06, Bvdb94, BDG+92c, BR95a, HVSC11, KBG+09, PBK99, RBB15, SPE95, SZBS95b, STT96, Str94, VDL+15, BR95a, CCHW03, R+92, SL94a, WPH94].

Computationally [DFN12].

Computations
[AGH+95, ACGR97, CGU12, CGPR98, IH04, PBK00, PMvdG+13, WJ12, AN95, AASB98, BL99, CG93, DMW96, EGDK92, HJYC10, KD13, MRRP11, MR96, Smi93b, SAP16, TS12b]. Compute
[DBK+09, LSM+18, KKLI11, OHG19, VLMP+18, ZL+11].

Computer-intensive [LSM+18]. computed
[FWS+17, SSS90]. Computer
[ACM06a, Ano94a, GTH96, IEE951, IEE96a, IEE97c, IS16, KCR+17, Neu94, Old02, PB+94, ST02a, Sum12, Ten95, URG92, YTH+12, BN00, BS94, BKML95, BFM96, Cal94, CLM+95, GRZT90, JW96, Str94].

Computer-Assisted [GTH96]. Computers
[Ano89, BP99, BCL00, DDP+19, DGMJ93, FFP03, GC05, IE95b, IE95e, ITK00, LF+93a, MFTB95, PSZ+00, SP+10, SS96, BvdB94, BB93, BBK+94, DLR94, Duv92, ES13, GBF95, KOS+95a, LR06a, MMB+94, NF94, POL99, PBK99, Wal94a, Wal94b].

Computing
[ACM97b, ACM98b, ACM00, ACM01, ACM04, ACM06b, AJYH18, ACD94].

AIM97, BJ93, BBG+95, BDG+93a, BGR97a, BL95, BCP+97, BRST94, BDH+95, BDH+97, BHNW01, BBH12, CZ95a, CGB+10, CL03, CLO18, CNC10, Czec16, DDS+94, DERC01, DPP+12, DGM93, DT94, FTVB00, Fer98b, FGKT97, Fors98, FS93, GLN+08, GS92, Gei93a, GBD+94, GSxx, Gei00, GN95, GL97a, GT94, Gua16, Hol12, HT01, IEE92, IEE93d, IEE93c, IEE94g, IEE95c, IEE95f, IEE95a, IEE96f, IIF95, KK02a, KS97, LK11, LRG14, LC93, LR01, Lus00, dfMFD11F02, ME17, Mat94, Mat95, MS04, Nov95, PKY95, PR94b, PWDP19, SHTS01, SCSL12, Sin93, SSS97, Ste00, SGS10, SW91, Sun90a, Sun90b.
Sun92, Sun93, Sun94a, Ten95, VV95, VW92, WN10, YH96, YG96, ZL17, ZL18, ACGdT02, ARTY17, AL92, AH95, ASCS95, Ano93h].

**computing**
[Ano94e, Ano94h, Ano03, ADDR95, AMV94, BPG94, BDG+92a, BDG+94, BKML95, Bru95, BHW+12, CZ95b, CZ96, CHKK15, DLRR99, DKM08, D95, DMW96, DE91, EKTB99, EJL92, FBD01a, FGRD01, FO94, FS95, Fer98a, FS98, FME+12, FHC+95, GGGC99, GS02, GS91a, GS93, Gei93b, Gei94, GH94, GkLyC97, HP05, HW11, HH14, HY+93, HS95a, HH95, mH12, IEE97a, IM95, JPOJ12, JY95, JMM+11, JPTE94, KO14, Kos95b, KSSS07, L12, LH98, LCHS96, LHD+94, LHD+95, LM13, Maf94, MKZ93, Ma95, Mar07, PGS+13, PKB06, Pen95, PKG+10, PTT94, PB+95, PNV01, PWD+12, RBS94, RJDH14, Sch93, SGS95, SMS00, STTT96, St94, SP11, Sun94b, SgDM94, Sun95, Swa01, SD99, TJ90, TKP15, TDB00, Tho94, TSS98, VM94, Vis95, Was96, YULMTS+17, YLC16, YSL+12, Zen94].

**computing**
[ZW13, ZGC94, ZHS99, ZKRA14, ACM98a, Kon00, PW95, Per96, SCR92, TGEM09, NM95, Ano95b].

**Concept**
[KaM10, LTR00, SB95]. concern [Ano94i].

**Concurrent**
[ME17, NPS12, DGB+14, PTG13].

**Concurrent**
[Ano89, BDG+91b, BR92, BHV12, BKH+13, DG95, GS91b, GS92, GSxx, Grc94, H93, SPB+17, Sun92, Sun93, ZDR01, BDG+92a, FS95, GS91a, GS93, LP+11, NP12, RGDML16, RCG95, Sun94b, SGDM94, Wal94a, Wal94b, WK08a, WK08b, WK08c, ZWZ+95]. condensates [KLM+19]. condensed [MC99]. Condition [GK10].

**Condor**
[CF01, PL96]. conduction [iSYS12].

**Conference**
[AC90, ACM94, ACM96b, ACM96c, ACM97b, ACM98b, ACM04, Abr96, ATC94, AGH+95, Ano89, Ano93g, Ano94a, Ano94e, Ano94i, ACDR94, BBG+95, B95, Boi97, Bos96, BFMR96, BH95, CGB+10, CH96, DSM94, DSZ94, DKD07, DKB+92, ERS95, ERS96, EJL92, FF95, Gat95, G95, GT94, Ham95a, Ham95b, HS95a, HS94, Hol12, IEE92, IEE94f, IEE95b, IEE95a, IEE95e, IEE95i, IEE95j, IEE96a, IEE96d, IEE96h, IEE96i, IEE92, LCK11, LF+93a, MWH93, Nar95, OL05, PR94b, Ree96, R+92, SPE95, Si96, SM07, Sin93, SW91, USE95, USE00, VW92, Vo93, WPH94, Y93, YH96, ACM95a, ACM05, ACM06b, ANS95, Ano93b, Ano93c, Ano95a, BR95a, Bil95, BDLS96, DR94, Eng90, GH94, JPT94, LCHS96, Mal95, PW95, Van95, ZL96, ACM94, Ano94g, IEE95b, KKD94].

**Configurable**
[IEE94d, PKB+16, BB94].

**configurations**
[PTL+16]. conflict [TCP15].

**conformational**
[MK94].

**Congress**
[CJNW95, GHH+93, PSB+94, BH95, dGJM94]. Congressi [GT94].

**Conjugate**
[BG95, GFGP12, MM92, Ols95].

**Connected**
[BT01b, KRRS11, OF00, Pet01, GKD+18].

**Connectivity**
[Whi94].**Conquer**
[CTK01, Cza02, Cza03]. conscious [ZA14].

**Considerations**
[CJPC19, FA18].

**consistency**
[DPFT19, WBS17, YY+12].

**Consistent**
[TGT10, CG96, CG99a].

**Console**
[PES99].

** Consortium**
[BRST94].

**Constrained**
[BHS15, EGR15].

**Construct**
[DP94, EM94]. Constructing [DM93].

**construction**
[ART17]. Constructs
[KDT+12, PGC02, BKH+13, BN00].

**consumer**
[AC12].

**Contact**
[Nak03].

**CONTAIN**
[SB95]. containers [Str12, ZT17].

**content**
[GFB+14].

**Contention**
[ALB+18, ALW+15, DSG17, Zab12].

**Context**
[DGG+12, ZL18, DR18, MdSAS+18, OLG+16, PAD+17, SCB15]. context-bounded [MdSAS+18, PAD+17].

**Contexts**
[CS14]. Contiguou [WTR03].

**continual**
[NS16].

**continuation**
[TV15].
HF14b, HKOO11, HT08, HLO+16, JLI8, JIK10, JC17, JLS+14, JFGRF12, KRKS11, KHBS19, KD12, KAMAMA17, Kha13, KS13, KVGH11, KME09, KO14, KH15, KD13, LA13, LAN99, LRG14, LGKQ10, LLG12, LSSZ15, LBH12, LSVMW08, LSMW11, LAD16, LBB+16, LY+16, LYIP19, LYZ13, MMO+16, MR12, MSML10, MDAS+18, MGL+17, MM14, NSLV16, CUDA [NS16, NBGS08, OIH10, ORA12, OHG19, PGS+13, PRS+14, PGD18, PHJM11, PAD+17, PGdCJ+18, PSHL11, PTMF18, PSV19, PRS16, RBAl7, Ros13, SSE12, SK10, SYSl2, SD17, STK08, SS09, Seg10, SSLMW10, SKM15, SP11, SR11, SJK+17a, SJK+17b, TNIB17, TVCB18, TS12b, TA14, TCP15, Tsd12, UZC+12, VLMPs+18, WGG+19, WG17, WJ12, WMRR17, WRM19, WWF11, WJB14, XLI13, YULMTs+17, YHL11, YZ14, YMY11, ZAK15, ZAFAM16, ZZG+14, ZBd12, ZLS+15, ZZZ+15, diAMC11, diAMCFN12, vdLJR11, che10, SD13, Vog13, CUDA-Aware [HVA+16]. CUDA-Based [DLLZ19, AAAA16, WGG+19]. CUDA-BLASTP [LSMW11]. CUDA-C [YULMTs+17], CUDA-Compatible [LBH12]. CUDA-Enabled [LSMW11, SSLMW10, DS13, KHBS19, PSV19, SR11, ZLS+15], CUDA-NP [YZ14], CUDA-Quicksort [MMO+16], CUDA-Sharing [PRS+14], CUDA-Streams [TVCB18], CUDA-to-OpenCL [GSCFM13]. CUDA/MPI [LYS+16], cudaBayesreg [Fel10]. CUDA-Easy [Sai10]. CUDAAlign [SdM10, dOSMM+16]. CUDAAs [KMM15]. CUDA-TM [SM12], Culling [HLK10]. CUMODP [HLM+17]. CUMULVS [GKP97]. CURAND [Aro12]. CURD [PGD18]. Current [Bak98, GFD05, IF195, BDG+93b, FK94, FHP+95]. Curse [OS97]. Curve [Rot19]. Customization [GSY+13], cut [CG99a, CXB+12]. cut-through [CXB+12], cuThomasBatch [VLMPs+18], cuThomasVBatch [VLMPs+18]. Cuts [GKD+18], CVL [Har94]. Cybernetics [IEE95], Cycles [PL96]. Cyclic [DDPR97, W095, HKMC94, H08, W096]. Cyclops [dCZG06], Cyclops-64 [dCZG06]. D [And98, DYN+06, SSS99, SH14, VDL+15, Bha98, BCL00, Bri95, Bmpz94a, BAS13, CGU12, CP15, EFR+05, ES11, GCN+13, HF14a, HF14b, JR10, KRKS11, KO14, KD13, KHS01, KLR16, MK94, MSZ17, NSM12, SC19, TP15, WMRR17, WRMR19, WR01, YSL+12, yHKS94], D-CICADA [MK94], DAC [Cza02, Cza03], Daemon [LB98], Dagum [Stp02], d’Aix [GA96], d’Aix-Marlioz [GA96], Dallas [ACM00, IEE95], Dame [IEE96]. Damping [YPA94], DAPVM [Cza02, Cza03], DAPVM/DAC [Cza02, Cza03], DAMS [CD98], Dangers [BGP+97], DaReL [KN95], Data [AJF16, BMR01, BCG+10, BGD12, CkMWH16, CLOL18, DERC01, Dn96, EGR15, EASS95, GTS+15, GB98, GMPD98, Gua16, HA10, HB96b, Hc06, IADB19, JDB+14, KA13, LK14, LSM+18, LHCW05, LDJK13, MV17, Man01, MK17, ME17, MGA+17, MJB15, NJ01, NPP+00b, NPP+00c, NA01, NLRH07, PC1Y, Rei01, Sgh12, SPK06, SSMW10, SR96, Str12, TBS+15, W095, We94], ZDR01, ZG95b, AB95, ASS+17, AG+95, BK11, Ben95, BR12, BD95, CFKL00, CGK11, CGL+93, DRUE12, EP96, FB97, Fan98, FVLS15, FME+12, FKK+96b, FWS+17, GE95, GE96, HB96a, HC08, JB96, JC15, JE95, JPOJ12, KN95, KJ+16, KRG13, LOHA01, LF+93a, LL16, MA09, MMB+94, MM13, MR96, NCB+12, NCB+17, NPP+00a, OPP00, PDY14, RJMC93, SJLM14, SSS99, SPH95, SK92, TW12, TGKIL19, W096, WLK+18, YCL14], Data [YWO95, ZJDW18, ZRQA11], Data-Layer [LSM+18], Data-Centered [JPOJ12].
Data-Driven [ME17, NCB+12, NCB+17].
Data-Intensive [Rei01]. Data-Parallel [AJF16, GB98, CKnWH16, SPI96, CGL+93, FKK+96b, MMH+94, MR96, SK92].
data-parallelism [BR12].
data-privatization [KRG13].
Data-Structures [GMPD98].
Databank [FCP+01].
Database [AR01, BFZ97, EK97, MWC97, MM14, PTP96a, MN91, PTP96b, PPT96c, PMZM16].
Databases [RGB+18, BA06, Bos96, ZWL13].
Data
[DT17, CSPM+96].
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David [Ano96a, Ano99a, Ano99b, Nag05].
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[BBH+17, CSW12, CBL10, CFMR95, DMMV97, EML98, FME+12, HHC+18, KJS14, SG12, ZDD97, BBH+15, DKF94a, HDG09, HGMW12, HPS+12, HPS+13, LNC+02, RAGJ95, TCP15, TGD13, TWF009, WLF014, YULM+17].

Detecting
[BHW+17, CSW12, CBL10, CFMR95, DMMV97, EML98, FME+12, HHC+18, KJS14, SG12, ZDD97, BBH+15, DKF94a, HDG09, HGMW12, HPS+12, HPS+13, LNC+02, RAGJ95, TCP15, TGD13, TWF009, WLF014, YULM+17].

Detection
[CFMR95, DK02, ZLL+12].

Deterministic
[CFMR95, DK02, ZLL+12].

Determine
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Deterministic
[CFMR95, DK02, ZLL+12].

Determine
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Developers
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[AC17, Ano01a, BDG+91b, BR95c, CHPP01, Cha02, Cot97, Cza02, DePo3, FS01a, SK00, SB01, TBD96, TDBEE11, ARvW03, ABC+00, BL97, BB97, FMB97, KCD+97, LLC13, MMW96, PES99, SM12, TBB12, ZL96, Sei99].

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[IEE93a, IEE95c].

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[Car07, GA96, HD02b, KD12, LRQ01, MW98, SJK+17a, SJK+17b, AL93, KT02, LSSZ15, Ols95, PR94c, Ram07, RG18].

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[SAS01, Ano93h, HP11].

dimensional
[Car07, GA96, HD02b, KD12, LRQ01, MW98, SJK+17a, SJK+17b, AL93, KT02, LSSZ15, Ols95, PR94c, Ram07, RG18].

dimensionality
[GR97].

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[GR97].

dimensionality
Bir94, BMPZ94a, CBPP02, CH94, CEF +95, CBHH94, CLLASPD99, CPR +95, CK99, DLR94, DR94, DHHW93b, DR95, EGH99, FB97, FS95, FS98, FHC +95, FHB +13, GBR97, GCN +10, GKK90, GkLyCY97, GP95, HPY +93, HHA95, IEE97a, JWB96, KN95, KSG13, KJJ +16, KDL +95a, LR06b, LFS93a, LFS93b, LH98, LKL96, Liu95, LYP19, LGmdRA +19, Ma94, MVTP96, Man98, MLC04, NAJ99, OLG +16, PK05, POL99, Par93, PR94c, RAGJ95, RFH +95, SSH08, SHHI01, SL94b, Sch93, SFL +94, SSC96, SPL99, Smi93b, SD99, THDS19, TSP95, THM +94, Uhl95a, VM94, VB99, Vet02, Vis95, Wal94a, Wal94b, WPL95, Wan97, YLC16, YW905, YX95, YPZC95, ZL96, ZGC94, ZHS99, Pet01.
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[CSW97, CC99, KN95, SSH08].
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Distributing [AL92]. Distribution
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[MHKS16, AD95]. Documentation
[BDG +xx].

Documents [Ano98]. does
[KC94].
dog [LKI4]. Domain
[BMR01, CP97, EGH +14, KDZ18, KL11, ETV94, HE13, Nel93, NZZ94, Olu14, OMK09, Ran07, SHHC18, VM94].

Domaine [GA96]. Domains [KR09].

Dongarra [Ano95b, Ano96a, Ano99b, Ano99c, NMC95, Nag05]. dOpenCL
[KG13]. Double [FKC96, PTT94]. down
[Str94]. Downloadable [Ano98]. DP
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DQN [PS19]. DQN-based [PS19]. draft
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[KBP07]. DSMC [JL18]. DSMPI
[SSC96, SSC97]. DTM [PS07]. DTS
[BH95].

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[BBC +00, GAM +02, DK02, CT13, LSSZ15].
dual-dictionary [LSSZ15]. Dual-Level
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[CT13]. Dublin [LKD08]. During [DeP03].

Dust
[dlFMBdFM02]. DVFS [PTL +16].

DWT [ZZZ +15]. Dyn [WLN03, WLN06].

Dyn-MPI [WLN03, WLN06]. Dynamic
[ACG97, AGS97, AUR01, CGLD01, CKmWH16, CML04, CK99, CTK01, DMB16, DBA97, DFMD94, FMBM96, FD00, GFD03, GFD05, GRV01, GCBL12, GMPD98, GL95a, KFL05, MK17, NPP +00c, NLRH07, PK98, PLK +04, PT01, PGdC18, Ran05, SPH +18, Smi93b, SY95, TS12a, VdS00, Vet02, Wal01a, Wil94, YST08, Zel95, DDLM95, EO15, FH97, FSC +12, FKLB08, JC17, MSMC15, NSBR07, NF95, OKW95, PCD +18, RBAI17, RCG95, SCB14, SCB15, SK +12, SKB +14, WRSY16, YPA19, DvdLVS94, FCS +12].
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[DvdLVS94].

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[BST +13, BCGL97, DR97, JFY00, KBM97, dFMBdFM02, MH01, OS97, SZBS95a, SA93, TDBEE11, TGEM09, YWCF15, ZB94, ALR94, ABG +96, AGMJ06, BvdB94, BHS18, BvdSdD95, BBK +94, BMPZ94b, BMPZ94a, CC00b, FHS099, HHS18, HVSC11, JAT97, JMS14, KFA96, KPK13, KRG13, LSVMW08, OKM12, PARB14, PBK99, RBB15, SPE95, SZBS95b, SM15, TG94, WPH94].
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[ldHL+00, HvA+00]. Dynamite/DPVM
[HvA+00]. dynamo [Hol95]. DySel
[CKmWH16].

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SL95, EFR+05, HHA+99, JKA+93]. Earth
[KTJT03, Nak03, Nak05a, Nak05b, UTY02].
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Easily [PKB01]. East [IS16]. Easy
[HCA16, TDG13, MJPB16, SBF94].
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[ZDD97, Gra97, RAG95]. edition
[Ano99a, Ano99b, Ano00b]. editor [GT19].
Editors [AM07, GSA08]. education
[ACM06a]. EDV [Ano94c].
EDV-Benutzertreffen [Ano94c]. Edward
[Che10]. Effect [DK06, LFS+19]. Effective
[MLAV10, RK01, TMC09, Tsu95, BC19b,
Cza13, JH97, KS15a]. Effects [SSE12].
efficacy [GScFM13]. Efficiency
[KS96, MTU+15, CZ96, MMe99, RS95].
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BGP90, BCK+95, BHLS+95, BFG+10,
BGD12, Brn95, BDH+99, BDH+97,
BMP94b, CAWL17, CFP96, DZ98a,
DG+12, FHPS94a, FHPS94b, FCS+19,
HBT95, HKT+12, HT08, HC06, HLO+16,
KGK+03, KD13, LHCW05, LA16,
MMD17, MB12, MRB17, NK99, PSG+13,
RMJC93, RRB01, RSP+19, SPB+17,
TGB95, WSN99, WWFT11, YPZC95,
ZWS95, BDA94, BHW+12, CGH+14,
FM90, FNSW99, FH+13, HCL05,
KVHG11, LKL96, LA06, MMDA19, Pan95b,
PR+14, RR01, SOA11, TPD15, TDG13,
YLD16, dCZG06, CRD99, THRZ99].
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[ART17, JL18]. electron-molecule
[ART17]. Electronic [GJN97]. Electronics
[IEE95d]. Electrosoft [Sil96]. electrostatic
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[KK19, MS02b, OD01, OM99, SM02,
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NK05b, PTT94, PSV19, TOC18].
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[Bo96]. eMPI [MS96a]. eMPI/eMPICH
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[AGM06, GVF+18, LB16]. emulation
[MS99b]. emulator [LTL94]. enable
[SPK+12]. Enabled [FS98, GSY+13,
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DS13, GLM+08, HJB14, KHS19, KTF03,
PSV19, RAO9, SHH01, SR11, ZLS+15].
Enabling [APBcF16, BGG+15, CLSP07,
DGB+14, GH14, GBH18, HJYC10, NPS12,
TY14, ZPI06, BR04, MA09, SHHC18].
encapsulation [DRUE12]. encoding
endpoint [LLH+14]. endpoints [DBG+14]. energies [TKP15]. Energy [BPG94, EGR15, KFL05, RBAI17, SPB+17, VW92, FKLB08, KN17, LRLG19, PTL+16, TDG13].

Energy-Aware [EGR15]. Energy-Efficient [SPB+17, TDG13].

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Engineering [Ano98, BPG94, BP93, EGH+14, IEE96h, KaM10, LSB15, MS02a, MBS15, Nag05, SM07, Str94, DMW96, IE94c, PW95, RMS+18, Sil96, LF+93a]. engineers [HW11]. Engines [SLJ+14, HSV+12, SHM+12]. Engine T M [OIS+06]. English [Wil94]. Enhance [AR01]. Enhanced [Ano98, CDHL95, CDH+95, FMSG17, KY10, PLR02, Saa94, BR95b, FE17]. enhancement [ARL+94, Boi97]. Enhancements [BDG+95, BCKP00, DM95b, DM95a].

Ensemble [Cot97, Cot98, BY12, FH97]. Ensemble-Based [FH97]. ENSOLV [AMS94]. Entwicklung [Sei99]. Environment [BDGS93, BFG+10, BFM97, BGL00, CHPP01, CTK01, DLB07, DI02, DHH+92, DHH93a, DLDL00, FTPB00, FWR+95, GJN97, GL97a, HRSA97, KBA02, KKK03, KDL+95b, KVH97, LC93, Las00, MSOGR01, MM02, MFG+98, MSS97, NJ01, Ong02, Ro94, SDN99, SGL+00, SGHL01, TTP97, WL96a, ASAK19, ABG+96, BDG+92b, BDG+94, BK96, BT96, CEF+95, CLLASPD99, DZ96, DL10, DHHW93b, EASS95, FMBM96, FB95, Fan98, Fra95, GBR97, GGH99, GPL+96, GlkLcy97, HZ94, IJM+05, IvdlH+00, KCD+97, Kat93, KDL+95a, Kos95b, KFSS94, wL94, MSL12, MK97, NP94, PES99, PVKE01, PQ07, RNPM13, SSKF95, Sch93, SPK96, SBF94, SWYC94, Skj93, SSG95, TJ90, Tho94, WCC+07, WL96b, WLC07, ZPLS96].

environmental [ANS95]. Environments [Ano95e, Ano01a, Bak98, BF98, DT94, GFB+03, Laf01, Mat94, Mat95, MFC98, PS01a, RB01, SHH94b, SSSS97, SCL00, TAH+01, ACGdT02, ARL+94, ALR94, ADDR95, AMV94, Bon96, BFM99, CDH+94, CK99, DR94, DR95, EO15, HS93, HV95, LC07, LGmdra+19, MSP93, SS94, SHH94a, SAP16, TSS98, VB99, YS93, ZL96].


Erratum [Ano01b, HF14b, Wal94b]. Error [DFC+07, SLMW10, HPS+12, HPS+13].

Errors [FCLG07, DPFT19, SD16].

Erweiterung [GBR97]. ESA [Whi94].


Estimation [GK10, WZM17, AMHC11, CCI95, GB94, JMdvG+17, KS13, ZWHS95].

Estuarine [LRQ01]. Ethernet [CC00a, Fin97, HCF05, KLYL03, KLY05, OF00, PFG97]. EU [Ano03].

Eugene [MCDs+08]. Euler [DLR94, IDD94].

Euler/Navier [DLR94, IDD94]. EURO [HAMB95, BFM96, HAMB95, BFM96].

Euro-Par [BFMR96, HAMB95, BFM96].

Euromicro [IEE95a, IEE95b]. EuroMPI [CDND11, KGRD10, TBD12, GT19, TB14].

EuroMPI/USA [GT19]. EUROPE [LCHS96, Ano92, Ano93f, Ano93g, Ano94g, SWYC94, Skj93, SSG95, TJ90, Tho94, WCC+07, WL96b, WLC07, ZPLS96].
Tou96]. **European**
[AD98, Ano94i, BR95a, BDLS96, BC00, BDW97, CHD07, CHD09, CD01, CNDD11, DKS95, DLK99, DKP00, DLO03, KGRD10, Kna02, KKD04, KLO08, LDW09, TBD12, WPH94, DKH97]. **EuroPVM**
[BDLS96, OL05, DKD07, MTW07].
**EUROPVM/MPI**
[OL05, DKD07, MTW07].
**EuroPVMMPI**
[KKDV03].
**EUROSIM**
[BH95, DSZ94, BH95].
**Eurospace**
[Tou96].
**Eurospace-Ada-Europe**
[Tou96].
**Evaluate**
[MW98].
**Evaluating**
[BWV+97, FVLS15, FST99a, GFD03, GFD05, GGCG01, GB96, HW97, LH95, SSSS97, ZSNH01, GSCFM13, LTL9C4, TG99, ZLZ+11].
**Evaluation**
[ATM01, BF98, BIC+10, BMF97, BEG+10, BB18, CLP+99, DIO2, FST98b, FSSD17, Han98, JCH+08, KS96, KK19, KK02b, KSS00, LGCH99, LNK+15, LZ97, KL11, LVP04, MHI01, MGC12, NNNO00, OTK15, Om96, Pan14, Par93, RB01, SWHP05, SCP97, SBF+16, SF9+04, SM02, Sou01, SJK+17a, SJK+17b, TOTT99, TSB02, TSB03, TTSY00, UM97, VY02, AB13, BBG+14, BBH+13a, BMG07, CB11, DDB+16, HPR+95, HKH+19, HSN900, HPS95, IM94, JC17, JMDV+17, LV12, LNW+12, MDP+96, MN03, MT96, MMD99, NN95, PSK08, RLFD16, SL04b, SW+12, SWYC94, SFS913, TSP95, THM+94, TMP01, Wor96, YW965, YS93, ZH06].
**Evaluations**
[KNH+18, MM14].
**Event**
[KKV01, NLI16, THS+15, WLM01, WMC+18, FSG19a, FSG19b].
**Event-Based**
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**events**
[HKH+19].
**everything**
[CCM+06].
**everything-shared**
[CCM+06].
**Evolution**
[Mat01a, PS01a, RBB17, SSL97, SGDM94, GS93, SSD+94].
**Evolutionary**
[B+05, DSM94, Rag96].
**Evolving**
[Bad16, ER12, McD90].
**Ewing**
[Ano95c, Ano99e, Ano99d, Ano00a, Ano00b].
**EWOMP’99**
[BC00].
**Exact**
[dOSMM+16].
**examine**
[LFS+19].
**Example**
[Che10, SK10, NB96, Pat93].
**Exascale**
[BAD16, LV12, LSG12, RPS19].
**Exception**
[FMSG17].
**exchange**
[MMM13, Pan95a].
**executable**
[WMP14].
**Execution**
[AHD12, BME02, DT17, FC05, FM09, GR07, KJK10, Mar05, MFG+08, MAGR01, Ney00, STY99, SAP16, BLBV18, EPM99, Mor95, PSB+19, SMAC08, TN15, TSY99, TSY00, UGT09].
**Executions**
[GAML01].
**Event**
[KKV01, NSLV16, THS+15, WM01, WMC+18, FSG19a, FSG19b].
**Event-Based**
[NSLV16].
**event-driven**
[FSG19a, FSG19b].
**events**
[HHK+19].
**everything**
[CCM+06].
**Evolution**
[Mat01a, PS01a, RBB17, SSL97, SGDM94, GS93, SSD+94].
**Evolutionary**
[B+05, DSM94, Rag96].
**Evolving**
[Bad16, ER12, McD90].
**Ewing**
[Ano95c, Ano99e, Ano99d, Ano00a, Ano00b].
**EWOMP’99**
[BC00].
**Exact**
[dOSMM+16].
**examine**
[LFS+19].
**Example**
[Che10, SK10, NB96, Pat93].
**Exascale**
[BAD16, LV12, LSG12, RPS19].
**Exception**
[FMSG17].
**exchange**
[MMM13, Pan95a].
**executable**
[WMP14].
**Execution**
[AHD12, BME02, DT17, FC05, FM09, GR07, KJK10, Mar05, MFG+08, MAGR01, Ney00, STY99, SAP16, BLBV18, EPM99, Mor95, PSB+19, SMAC08, TN15, TSY99, TSY00, UGT09].
**Executions**
[GAML01].
**Event**
[KKV01, NSLV16, THS+15, WM01, WMC+18, FSG19a, FSG19b].
**Event-Based**
[NSLV16].
**event-driven**
[FSG19a, FSG19b].
**events**
[HHK+19].
**everything**
[CCM+06].
**everything-shared**
[CCM+06].
**Evolution**
[Mat01a, PS01a, RBB17, SSL97, SGDM94, GS93, SSD+94].
**Evolutionary**
[B+05, DSM94, Rag96].
**Evolving**
[Bad16, ER12, McD90].
**Ewing**
[Ano95c, Ano99e, Ano99d, Ano00a, Ano00b].
Fine-Grained
[BBG+10, TCM18, YSS+17, LZHY19].

Finite
[DFN12, KK19, MS02b, MAIVAH14, OD01, OKM09, Pri14, SM02, UZC+12, VM94, VRS00, BB93, Gra09, FGGP12, HE13, HMKV94, KME09, KEGM10, KB13, Nak05a, Nak05b, NZZ94, NB96, PSSV19, Ram07, TOC18]. Finite-Difference
[UZC+12, VM94, HE13, NZZ94, Ram07]. Finite-Element
[MS02b, BB93, KME09, KEGM10, Nak05a, Nak05b].

Finland
[RWD09]. Fire
[JML01, SJ02]. First
[AGH+95, BCD96, BC00, CH96, Dem96, DFN12, DW94, Gat95, HAM95b, Kum94, Nar95, PBPT95, SSP+94, USE94, AH95, BS94, GM18, MMDA19, PTMF18, PBPT95]. Fix
[DLV16]. fixed
[PSV19]. fixed-grid
[PSV19]. FLAME
[VBLvdG08]. at
[Nak05b]. Flattening
[THRZ99]. flavors
[GM18]. FlexCL
[LWZ18]. Flexibility
[KK02b]. Flexible
[CS14, GR95, GBS+07, SHPT00, CARB10, DGB+14, GAM+00, HC08].

Floating-Point
[LWSB19]. Florida
[ACM98b]. Flow
[BHW+17, BGD12, CGZQ13, CCBPAGA15, FM09, MK17, Pat93, AMS94, AFST95, EP96, ED94, HK94, HTHD99, HHSMA19, JAT97, LL16, MBKM12, MH18, Ols95, PTT94, RM99, SCC95, SU96, TS12b, TOC18].

Flow-Based
[BHW+17]. Flows
[GAP97, BCM+16, BCT+17, Heb93, LLG12]. flowshop
[CB11]. Fluid
[DFMD94, GAP97, JFY00, SZBS95a, TDBEE11, TEGM09, ALR94, ATL+12, AGJM06, BVDB94, BHS18, BI95, HVSC11, MRRP11, PBK99, SPE95, SZBS95b, WPH94]. fluid-particulate
[ATL+12]. fluids
[HK94, WB96]. Flux
[QRMG96, QRG95]. Fly
[WMC+18, KSJ14, THRZ99, BCAD06, BADC07]. FM
[LC97a]. FMA
[LO96]. Fock
[MMDA19, CBH94]. Focus
[Cla98, CFF19]. foolish
[Rol08a]. footprint
[TS12b]. force
[Goe02]. Forecast
[AHP01]. forecasting
[Bjo95, KOS+95a]. Forest
[JML01, NCKB12]. ForestGOMP
[BFG+10]. Foreword
[CHD09]. FORGE
[WCVR96]. Fork
[BDG12, SML17]. Fork-Join
[BGD12, SML17]. form
[NCB+12, NBC+17]. Formal
[BG94a, BBH12, BB93, KME09, KEGM10, Nak05a, Nak05b].

France
Francisco
[BBG95, IEE93a, IEE94g].
Frankfurt
[Tou96].
Frankfurt/Main
[Tou96].
Fredericton
[BG91].
Free
[KK19, PKYW95, CP15, SOA11, Zah12].
freedom
[KJT03].
friendly
[SVC+11].
Frontiers
[ACM90, AJF16, CNM11, NW98, Ser92a, Sie92b, Sie92a].
Frontiers’95
[IEE94a].
Frontiers’96
[IEE96c].
FSI
[HAA+11].
FT
[FD00, LNLE00, WTS19].
FT-MPI
[FD00].
Fujitsu
[Ano98, AKL99, BHS+02, SWJ95, SH96].
full
[CF19].
full-orbit
[CF19].
Fully
[GA96, ZL17, SSB+16].
Function
[AGS97, Bri02, HHS18, MCP17, Rot19, RB01, SW12, HE15, JMDV+17, KRC17].
Functional
[ACM00, AJF16, CNM11, NW98, Ser97, CBKH94, EP96, HSE+17, SFLD15, WZWS08].
functionality
[BFIM99].
functionally
[PSV19].
Functions
[BKGS02, Bru12, Hat98, MDM17, CGJM96, HWX+13, PNV01].
Fundamentals
[Wal96a].
fused
[TW12].
Fusion
[FHK01, FMFM15, PKE+10].
fusions
[FFM11].
Futhark
[HSE+17].
Future
[Dar01, IEE93d, Mat00a, BDG+93b, FK94, FHP+95, Gei98, RPS19, Sni18].
Futures
[Kuh98].
fuzzing
[LLCD15].
G
[OPM06].
G2
[Cat04, KTF03, OPM06].
GA
[Ara95].
GAIN
[ARYT17].
GAIN-MPI
[ARYT17].
Gains
[CMM03].
Galerkin
[KK19].
Gallipoli
[Ano93b].
GAMMA
[CC00a].
Gap
[AAB+17].
Garbage
[GTS+15].
Gas
[BMS94b, BBK+94, BMS94a].
GASPI
[SIC+19].
gather
[MTK16].
gauge
[BW12].
Gauss
[BM95, LM99, Obs95].
GCell
[SHH94a, SHH94b].
GECCO
[B+05].
Geist
[Ano95b, NMC95].
gem5
[PHO+15].
gem5-gpu
[PHO+15].
Gemini
[SWS+12].
gems
[Far04, mH12, Ngu08, PF05].
Gene
[GDM18, PCS94, AAC+05, BHG+05, EF+05, KMH+14, LM13, MV17, MSW+05].
gene-finding
[PCS94].
Gene/L
[AAC+05, BHG+05, EF+05, MSW+05].
Gene/Q
[KMH+14, LM13, MV17].
General
[AJYH18, Che10, IH04, MW98, SK10, SZBS95a, Sun94a, ABDP15, ADLL03a, ADLL03b, CBM+08, FLD96, KPNM16, PF05, RSBT95, SZBS95b, SMSW06, YPA94].
General-Purpose
[AJYH18, Che10, SK10, ABDP15, CBM+08, KPNM16, PF05].
Generalized
[DFKS01, FKS96, BSC99, SD99, van93].
Generating
[AZG17, CGL+93, ER12, IJM+05, PKB+16, SFLD15].
Generation
[AB93a, CC17, FADF15, Gei98, GTH96, HT08, JFY00, LTDD14, RG13, SSB+17, TGBS05, VPS17, AB93b, CPR+95, DCD+14, DWM12, KHS12, KPL+12, KH10, MMDA19, SP11, TGKL19, WKS96, WMP14, ZKRA14].
genерational
[WK08a, WK08b, WK08c].
genenerative
[MAS06].
generator
[Lan09, TNIB17, YL09].
generators
[CCS19].
Generic
[ARS89, AKL99, GB98, BAS13, GM13, ZT17].
Genetic
[FTV00, MTSS94, MSCW95, PB12, TGKL19, WKS96, Wal01a, WHDB05, AB13, BB95a, FSTG99, HLP109, RJC95, Wal01b, B+05].
genetics
[LM99].
Geneva
[IEE97b].
genomic
[SdM10].
genomics
[CJPC19].
GeoComputation
[Abr96, Abr96].
GeoFEM
[NO02a, Nak03].
geomechanics
[BJS99].
Geometric
[DGP+19, VGP+19].
geometrical
[FMS15].
Geometry
[STK08, Ho95, STT96].
geophysical
[Has95].
Georeferencing
[GCG98].
Germany
[USE00, UCW95].
German
[EGH99, BR97, Gra97, GEW98, SLO99, Wer95].
Germany
[BDS96, GH94, KGRD10, MTWD06, MdSC09, PSB+94, Sch93, Tou96, Ano93a,
Gravitational [ZSK15, KM10]. Greece [CD01, CDND11, SM07, TG94]. green [PTL +16]. Grenoble [JPTE94]. Grid [AB93a, CB9+10, CLL03, DPP01, Fos98, KT02, Lai01, Liv00, MRB17, PLK +04, Rei01, TGEM09, AB93b, Eng00, GLM +08, KRKS11, PSH19, WYLC12, AASB08, BR04, CCHW03, DKD08, FC05, GFU +03, GL02, KTF03, KGK +03, KSSS07, LC07, LSO8, NBR07, RPM +08, RTRG +07, SHTS01].
Grid-Adaptive [KT02]. Grid-Enabled [Fos98, GLM +08, KTF03]. Grids [NO02b, ACH +11, CC10, KBG -09, NO02a, NB96, BBH +06, GR07, Ram07, SN01].
GROMACS [BvdSvD95]. Gropp [Ano95c, Ano99c, Ano00a, Ano00b]. Gross [LBB +16, LYSS +16, SSB +16, YSVM +16, YSMA +17]. Ground [HTHD99, NS16].
groundwater [FAST95, EGD92]. Group [AD98, Ano98, ARA+95, ACDR94, CHD07, CHD09, CD01, CDND11, DKD05, DLM99, DKP00, GG95, KGRD10, KRA02, KKD04, LKD08, MC94, MTWD06, RWD09, TBD12, UMK97, BDW97, DLF03, MMU99].
grouping [WPL95]. Groups [GOM +01].
GUI-awareness [VGS14]. guidance [SDJ17].
Guide [Ano12, D +91, GBD +94, LAD04, Nov95, NMC95, Per96, Ano95b, BG +91a, McK94].
Guideline [Tat +12]. Guidelines [TG10].
GVirtuS [MGL +17].
Hamburg [PSB +94]. Hamiltonian [ART17]. Handling [DFC +07, FMSG17, LS15, LGM00, RC97, FFFC99, LN +12, THRZ99]. Hands [KmWH10]. Hands-on [KmWH10].
Harbor [BBC +00]. Hardware [BGG +15, BWW +12, Brun12, BCP00, CDP03, DW02, EADT19, GM18, HSP +13, LSMW11, MFC98, PSM +14, PKB +16, SSLM10, vdLJR11, ER12, GGL +08, PMZM16, Ra99, SGB +12, SH94, SWS +12, YAJG +15, ZLS +15].
Hardware-Based [CDP03].
Hardware-oblivious [HSP +13]. harmonic [GSMK17]. Harness [EBK01, MS99b, PL96, FBD01a, FBD01b, FBVD02, FD02a, FD02b, SMF00, Ge98].
Harrogate [CJNW95]. Hartree [CBH94, MMDA19]. HASEonGPU [EZBA16]. Haskell [WO97]. Hate [Dan12].
Hawaii [ERS95, ERS96, HS94, MHH93, ZL96]. HCA [KBG16]. HDL [Kat93, KM16].
HDMR [KD12]. Heading [Sch99]. Heaps [GFJT19]. Heat [SAS90, NP94, iSYS12].
Hector [RFHR96, RRG +99]. Heijen [Van95]. held [AGH +95, GA96, JB96, KG93, MHH93, Old92, R +92, SP95, T93].
Helios [SP96]. Helmholtz [HMKV94].
Helps [Spt02]. HeNCE [BDG +92a, BDG +92b, BG +93a, BG +94].
Hénon [JPT14]. Herzliya [IEEE96].
HeSE [MRV00]. Heterogeneous [ABB +10, BDG +93a, BDG93, BL95, BCP +97, BGR97b, BCP00, CMMR12, CLO18, CLS17, DGS93, DGMJ93, FDG97a, FDG97b, FL98, Fos98, GS91b, GDDM17, IEEE93f, KR09, KCR +17, LC93, MRV00, MM01, MM02, NTR16, PD98, PH +15, RVP19, SMS00, SGS10, TQDL01, VLO +08, ACGeT02, ADB94, ADDR95, AMV94, BDG +92c, BDG +94. BALU95, BRR99, BAG17, CCM12, CFPS95, FMBM96, GJKZ12, GCN +10, GCF13, HHS18, HK94, KSG13, KSL +12, Kos95b, KSS +18, LCL +12, LR06a, Lee12, Mal12, MSL12, MM03, NP94, NEM17, Pen95, PSB +19, RCF96, RVP18, SCJH19, Skj93,
Smi93b, Sun94b, Sun95, TBB12, TMW17, TKP15, TGD13, VB99, VGP+19, WCC+07, YST08, YSL+12, ZJDW18. **HeteroMPI** [LR06a, VLO+08]. **Heuristic** [BHM96, STV97, WH94]. **HI** [ERS96, HS94, IEE96e, ACM97a]. **HICSS** [ERS96, MMH93]. **HICSS-26** [MMH93]. **HICSS-29** [ERS96]. **HiCUDA** [HA11]. **Hierarchical** [BMR01, FBSN01, HA10, HL17, MB18, MALM95, RR02, ADMV05, BDV03, GJMM18, GJMM18, ZSK15, HS95a, GH94, LCHS96, SSH98]. **hierarchies** [SYR+09]. **High** [ACM97b, ACM08a, ACM08b, ACM00, ACM01, ACM04, BPG94, BRST94, BS07, BDA+18, CDD+13, CNM11, CDHL95, CS14, DPP01, DLD00, DE91, FGK97, GSHL02, GH99, GBS+07, GLDS96, HVA+16, HA11, Hol12, IE92, IE93c, IE94g, IE95k, IE96a, IE96f, IEE97c, IF95, JMM+11, Kha13, KMK16, KEGM10, KH15, Lahn01, LC91, LC97a, LkLC+03, LBH12, LWP03, MW98, MPD04, ME17, MAB05, NNO00, TSB02, TSB03, WYCF15, YSP+05]. **High-Dimensional** [PGS+13, PGK+10, PF05, PTW99, Reu03, RJDH14, SG14, SFLD15, ZSK15, ZWL13, dAT17, D298b, D95e, DE91, GH94, HS95a, KD12, LCHS96, LC97b, SSH08, Ten95]. **High-Dimensional** [MW98]. **High-Level** [CS14, DLD00, HA11, Hos12, SG14, SFLD15]. **High-order** [KEGM10, KME09, OGM+16]. **High-Performance** [ACM98a, FGK97, IE97c, LkJLC+03, OLG01, PKB01, PR94b, PTH+01b, Rab98, RH01, SPM+10, SCSL12, WN10, GLDS96, OIHM10, SVC+11, Ano03, ESB13, FME+12, GL96, GL97c, HADD09, KBP16, LBD+96, Old02, PG9+13, PGK+10, PF95, Reu03, RJDH14, SFLD15, ZSK15, HS95a, GH94, LCHS96, SSH08]. **High-Precision** [Kha13]. **High-Quality** [BS07]. **High-Speed** [CDHL95, KMK16, AH95, BWT96, CDH+95]. **High-Throughput** [SSLMW10, ESB13]. **Higher** [MYB16, KB13, wL94]. **Higher-level** [wL94]. **Higher-order** [MYB16]. **Highly** [MM95, PV97, TMP16, CARB10, GBH14, GBH18, VM95]. **highly-scalable** [GBH14]. **Highs** [IEE93f]. **High-Scalability** [BS07]. **High-Throughput** [SSLMW10, ESB13]. **Hills** [IEE93f]. **Homomorphisms** [RG18]. **homotopy** [GWC95, SMSW06, VY15]. **Honolulu** [IEE96e]. **Honorable** [Str94]. **Host** [Ano95e, LLRS02]. **Host-Parasite** [LLRS02]. **HOTB** [GSMK17]. **Hotel** [IEE94e]. **Hotel-Copley** [IEE94e]. **Hough** [YULMTS+17]. **House** [ZLZ+11]. **Houston** [ACM06a, Ano95a, Cha05, DKM+92, Y+93]. **HP** [CGB+10, BCM+16]. **HPC** [ASS+17, CGBS+15, GKK90, LCVD94b, OL+16, PRS+14, RGGP+18, VGP+19, ZLP17]. **HPC2002** [Ano03]. **HPCN** [LCHS96]. **HPF** [BP98, BF01, BID95, Bri00, BDV03, CM98, CDD+96, Coe94, FFK+96b, FK99a, L973, OP98, OOP00, SM02, Str94]. **HPF-MPI** [BP98]. **HPL** [Lee12]. **HPVM** [BCKP00, CLP+99, KSS+18]. **HPVM-Based** [CLP+99]. **hull** [GCN+13]. **human** [VLSP19]. **Hungarian** [Fer92, FK95, LYIP19]. **Hungary** [DKP00, KKD04, VV95, FK93]. **hunting** [JPP95]. **Husky** [YLC16]. **Huss** [Ano96a, Ano99a, Ano99c, Ano99b, Ano99d, Nag05].
Huss-Lederman
[Ano96a, Ano99a, Ano99c, Ano99b, Ano99d].

Hybrid [BBG+10, BBH+06, BB18, CGC+11, CNM11, Cha02, DR97, GPC+17, HVSC11, IDS16, KS15a, KLR+15, LLRS02, LRG14, MS02b, NO02b, PZ12, SSB+16, VPS17, WT12, YHL11, YPAE09, YTH+12, AC07, ADR+05, BBG+14, CSPM+96, FMS15, GAVRRL17, GKK09, HDB+13, JR10, JMS14, KN17, KRG13, KJEM12, LLC13, LLIH+14, MLAV10, MRRP11, NO02a, Nak05a, Nak05b, PARB14, PHJM11, SDFJ17, SVC+11, THDS19, WT11, WYLIC12, WLYIC12, WT13, YWC11, ZWL13].

hybrid-core [BBG+14].

Hybridizing [LSG12].

HYDRA_MPI [PBC+01].

Hyper [CSW99, SBT04, TBG+02, ZAT+07].

Hyper-Rectangle [CSW99].

Hyper-Threading [SBT04, TBG+02, ZAT+07].

hypercube [HS95b, Sur95b].

Hypercubes [Ano89, RJMC93, She95].

Hypercubic [HP11].

hyperelastic [OKW95].

hypersonic [BTC+17].

Hyperspectral [VLO+08].

I-SPAN [LHHM96, Li96].

I-WAY [FGT96].

I/O [Bos96, CFF+96, DRUE12, IRU01, IBC+10, LkLC+03, kLCC+06, MV17, MC18, MGC12, MG15, PSK08, PLR02, RK01, SBJQ14, Tha98, Tso07, WSN99, ZJDW18].

I-SPAN [Ham95a].

IBM [AL93, Ano03, BBB+94, BGBP01, BR95c, BR95b, BRT95, CE00, CDM93, FHP94b, FHP+94, FHP+95, Fra95, FWR+95, GL95d, HSMW94, HMKV94, Heb93, JF95, KB98, KAC02, KHS01, KMH+14, LC97b, MP95, MW93, MAB96, NMW93, WZWS08, XH96].

IBM-SP1 [FHP94b].

ICA [IEE96d].

ICAPP [Nar95].

ICCMSE [SM07].

ICIP [IEE94b].

ICPP [Agr95a].

ID [DGG+12].

Idaho [Str94].

Ideas [IEE95d].

identification [HPLT99].

identity [KN17].

IEEE [ACM97b, ACM98b, ACM04, ACM05, Bha93, IEEE94e, IEEE94g, IEEE95b, IEEE95a, IEEE95k, IEEE95g, IEEE96b, IEEE96f, IEEE96d, IEEE02, Nar95].

IEEE/ACM [ACM04].

IFIP [Boi97, DR94, PSB+94].

IFS [AHP01].

Igniting [ACM03].

II [DE91, GE95, HS94, BPS01, BWW+12, EM00b, GAVRRL17, Sta95b].

III [BPG94, BB93, DSA94, GE96, Has95, OKW95, SSGF00].

ILDJIT [CARB10].

I'll [Har94].

Illumination [STK08, ZWHS95].

IIA [ACM97b, ACM98b, ACM04, ACM05, Bha93, IEEE94e, IEEE94g, IEEE95b, IEEE95a, IEEE95k, IEEE95g, IEEE96b, IEEE96f, IEEE96d, IEEE02, Nar95].

IEEE/ACM [ACM04].

IBM-SP1 [FHP94b].

ICMP [Agr95a].

ICPP [Agr95a].

IBM [AL93, Ano03, BBB+94, BGBP01, BR95c, BR95b, BRT95, CE00, CDM93, FHP94b, FHP+94, FHP+95, Fra95, FWR+95, GL95d, HSMW94, HMKV94, Heb93, JF95, KB98, KAC02, KHS01, KMH+14, LC97b, MP95, MW93, MAB96, NMW93, WZWS08, XH96].
SBG+02, Ser97, SCC96, SSC97, SZBS95a, SWJ95, SYF96, Sum12, Sur95a, TOTH99, TBG+02, TRH00, TMPJ01, USE94, VT97, WH94, WPC07, YGH+14, YWO95, ZZG+14, ACGdT02, AS92]. **implementation** [AAAA16, AAC+05, ADLL03a, ADLL03b, AB93b, BR91, BvdSvD95, BR95b, Ber96, BCCR99, BK96, BCK+09, BS01, BS05, Bor99, BRD99, BS96b, BDV03, Bri95, BB00, BAS13, CDZ+98, CEGS07, CG99a, CdGM96, CBHH94, CD96, DSW96, DS96a, DL10, DBB+16, DSOF11, DM12, FFB99, FWNK96, FGT96, FGG+98, FCS+19, GCC99, GG99, GG09, GÁVRL17, GL92, GL94, GL96, GLDS96, GL97c, GT07, GkLyC97, HBT95, HCL05, HS95b, ITT99, InvLH+00, JRM+94, JC96, KY10, KTF03, KBVP07, KL95, KVGH11, KNH+18, KB13, Leci12, LC07, LYP19, LO96, MMS+16, Man94, MAIVAH14, MS95, MSZG17, ON12, OKW95, OA17, OGM+16, PHJM11, PR94a, PTW99, PCS94, Ram07, RRHF96, Sep93, SZBS95b, SCL97, Sto98, SNMP10, Sur95b, Swa01, SL95, TKP15, TP15, TS12b, TA14, TCP15, Tsu95]. **implementation** [TVV96, VDL+15, VGRS16, VM95, Was95a, WMRR17, WRMR19, YPA94, ZLS+15, dH94, dlAMCFN12, van93].

**Implementations** [AKK+94, Ano01a, ACMR14, AJF16, BM00, BS07, BEG+10, FB94, Gro02b, klCC+06, LCW+03, Mar02, OARA12, Sap97, TSCaM12, TGEM09, VS00, WT12, ZDD97, CLSP07, ER12, ED94, GML+16, ICCO2, KWEF18, MKP+96, NN95, Pri14, RLFdS13, WLK+18, WT11, YCL14]. **implemented** [BBDH14, EP96]. **Implementing** [DPZ97, Fin94, Fin95, GL95b, HB96a, HB96b, LRT07, MMH98, MS99c, MSB97, SSC96, SS99, SMTW96, SGHL01, SCC95, Tra02a, Wil93, BWT96, LHZ97, YX95]. **Implementor** [GL95b]. **Implicit** [LHCW05, MS02b, NA01, SGHL01, Bjo95, TSP95, WADC99]. **Importance** [BCG+10, PCY14]. **Importance-Driven** [PCY14]. **Improve** [KBS04, SKH96, Tha98, GK97, RHG+96]. **Improved** [Tra02b, MMO+16, dIAMCFN12]. **improvements** [DPSD08]. **Improving** [CGZQ13, DZ96, DCPJ12, DCPJ14, GSY+13, HE02, IRU01, KH12, KK02b, LB98, MK97, PTG13, RSC+15, SM12, SLO0, XF95, CZ96, JKN+13]. **in-house** [ZL+11]. **In-Memory** [CLOL18, ZL17, CRM14, HSP+13]. **In-Place** [LTS16, HSE+17, PSHL11]. **Including** [BWW+12, GLT12]. **incompressible** [BCM+16, Lou95, RM99, TS12b]. **Incorporating** [LM94, LYZ13, TKP15]. **Incremental** [dOSMM+16]. **Indefinite** [YK+18]. **Independent** [BCL00, BRU05, BDA+18, CSW12, CDMS15, Dn96, MV17, YBZL03]. **Index** [DALD18, LAD16]. **Index-Digit** [DALD18, LAD16]. **Indexes** [Wal01a]. **Indexers/Crawler** [Wal01a]. **Indexing** [LTR00]. **India** [CGB+10, IEE96a, Pr94, PBPT95]. **indicator** [FSV14]. **Industrial** [BPMN97, DHK97, ALR94, ABCI95a, ABCI95b, BT96, EKTB99, Was96, Kon00]. **industries** [Ano93a]. **Industry** [DM98, Ano94f]. **Industry-Standard** [DM98]. **inefficiency** [HGMW12]. **Inertial** [Str97]. **Infer** [VBB18]. **Inference** [LAD+15, TVCB18]. **Infiniband** [SWHP05, LCW+03, LVP04, LWP04, PK05, PRS16, SPK+12, ZLP17]. **InfiniBand-based** [PK05]. **inflation** [OdSSP12]. **influence** [Gra97]. **Information** [Ano98, CGB+10, Ano93c, CG99b, Gro19, MMR99, WADC99, PSB+94]. **infrastructure** [GFIS+18]. **infrastructure** [GWVP+14]. **Initial** [LLH+14, VDL+15, AL96, LSR95]. **Initiated** [SSB+05]. **initiatives** [Sun95].
initio [SSGF00, SEC15]. Injection [RRAGM97, SAL +17]. Inn [IEE93c].
Innovation [ACM03]. Input [CFF +94, SHM +12, JWB96]. input-aware [SHM +12]. Input-Output [CFF +94].
Input/output [JWB96]. Insight [IEE02]. Inspection [BPMN97, DLLZ19]. inspired [NEM17, TDB00].
Institute [Old02, TG94]. Instrumentation [MVY95, Yan94]. Insurance [PZ12].
Integer [ASA97, CF01, WLC07, ZC10, BHJ96, KVGH11]. InteGrade [CC10].
Integrate [GLRS01]. Integrated [CFDL01, DGMS93, HKN +01, KSV01, WL96a, DF17, HK10, KW14, VDL96b, WWZ +96, WL96b, XWZ96]. Integrating [BCLN97, CM98, Fin00, GJP01, KJA +93, KAH96, wL94, STP +19, WFT014, TWF009]. Integration [CGC +11, CSW97, FD96, FB94, MAIVAH14, Sei99, AL96, CSW99, KB13, RMS +18, RBB15].
Integrator [Per99, SP99]. Intel [Ano96c, Ano03, CBIGL19, DSGS17, MP95, OTK15, URK912, VDL +15, WWZ +96, WL96b, XWZ96].
Intelligence [BPG94]. intelligent [IEE95a, ZWZ +95]. Intel(R) [TBG +02, MMDA19, SBT04].
InTensities [ARYT17]. Intensive [Rei01, BFL199, BKM95, LSM +18, SL94a].
Inter [KFL05, LAFA15, FKL08, LFL11, RS19, SDB +16]. Inter-Atomic [LAFA15].
Inter-Node [KFL05, FKL08, LFL11, RS19].
inter-workgroup [SDB +16]. Interaction [DMMV97, GFV99, NSLV16, Sou01].
interactions [PARB14]. Interactive [Coo95b, KPK13, KA13, NE98, RTRG +07, STK08, Coo95a, IJM +05].
Intercommunication [TMP16]. Interconnect [Bri12, SJO2, BWT96, SWS +12, TBD96].
Interconnected [Hus00]. Interconnecting [MC98]. Interconnection [MANR09, SB95, AYA +16]. Interconnects [RA09]. Interface [Ano93d, Ano01b, BCFK99, BC19a, BDH +97, CHD07, Cer99, CGH94, CDND11, DFSA01, DHHW92, DHHW93a, DBK +09, FKK96, FSLS98, Gle93, GLS94, GL95c, GLDS96, GLTO0b, HDB +12, HRS97, KSJ95, KGRD10, KKKV03, KKD04, LKD08, LkLC +03, LW97, MP198, MS98, MSS98, MBES94, MMSW02, MTW06, PS01b, RWD09, SSL97, TBD00, TW01, TBD12, WD96, Wer95, YHGL01, Ada98, AD98, Ano93e, Ano94d, BB8 +94, BBCR99, Br95, BD97, BK00, BR94, CFSK00, CFF +96, CD01, CG99b, DKD05, DDB +16, DS69b, DLM99, DPK00, DLO03, GRW +19, HPR93, HK9 +19, HRR +11, KOB01, KSJ96, KB94a, Kra02, NS91, Pie94, PR94a, RMS +18, SL94a, SWJ95, SDV +95, V95, Wal94a, Wal94b, ZW113, ZKRA14, AMHC11, BC14, BB +06, BRU05, BDH +95, Co04, DKD08, D1996, FK96, FGT96, FGG +98, GGH +96].
Interface [GLT99, GLS99, GLTO0a, GL04, Han98, IBC +10, KTF03, KK9D05, LK10, MSL96, RRF96, SWP05, SLC95, SW +01, TGT05, YGH +14, Ano95c, Ano00a, Ano00b].
InterfaceArchitecture [Sei99]. Interfaces [MGC12, Wit16, FCS +19, RJDH14, TrA12a].
Interfacing [Lus00, PL96]. interference [ZJWD18]. Intergroup [KTAB +19].
Intermediate [SML17]. internal [BBH +15].
International [ACM94, ACM96b, ANS95, Abr96, ATC94, AGH +95, Ano93a, Ano94a, Ano94e, BPG94, Bos96, BM9+96, Cha05, CZG +08, CGKM11, CMMR12, CGB +10, CH96, DSM94, DW94, EV01, Eds08, ERS95, ERS96, EJL92, GY95, GA96, GT94, Ham95a, HAM95b, HS95a, HS94, Hol12, IEE93c, IEE93b, IEE94d, IEE94g, IEE95b, IEE95c, IEE95a, IEE95k, IEE95i, IEE95f, IEE95l, IEE96a, IEE96f, IEE96e, IEE96d, IEE97b, IEE97c, IEE05, Kum94, LCK11,
LF+93a, Lev95, LHHM96, Li96, MMH93, MCdS+98, MdSC09, Nar95, Ost94, PW95, PBG+95, PBPT95, Ree96, R*92, SHM+10, Sie94, Sil96, SM07, Ton96, VW92, Vol93, Vos93, Was96, YH96, ACM97a, AH95, BS94, DMW96, FR95, GH94, JPTE94, LCHS96, Ma95, ZL96, An93b, HHK94, Sch93. 


Introduction [An96b, AM07, Che10, Cze16, DOSW95, NSA08, HW11, Ma02, Mat00b, SK10, GT19, VP00]. Invasive [URKG12]. inventory [OHG19]. Inverse [Huc96, BV99, GGC*07, GG09, Wan02]. Inversion [ACMR14, Kan12]. 

Investigating [GMDMBD+07, Ros13]. investigation [PHW+13]. Invisible [Wis97]. Invited [Gel93a]. IO [AHP01, BIC+10, CGC+02, AFF+96, DIL10, FGRD01, FWNK96, FSL98, LRT07, LGG16, PSH98, PTH+01a, PTH*01b, SW12, St98, TGL02, ZF04]. IO/GPFS [PTH*01a]. IOMMU [YWC15]. IOV [YWC15, ZL017]. IPC [ICA00]. IPCC [SC95]. IPPS [IEE96e]. IR [ZJW18]. 

Irishland [LKD08]. IRREGULAR [FR95, BMR01, Cza02, Cza03, BL99, HASn00, LOHA01, MR96, NP12]. irregularly [FR95, SM93b]. ISA [Wit16]. ISBN [Che10, SD13]. ISBN-13 [Che10]. ISCA [An94e, YH96]. Ischia [ACM06b]. Isserver [SHH94a, SHH94b]. Isserver-Occam [SHH94a, SHH94b]. Ising [AL93, KO14]. Isolating [Lus00]. Isosurface [PCY14]. IS Span [HHK94]. Israel [DSM94, IEE96h]. Israeli [IEE96h]. ISSAC [Lev95]. ISSTA [Ost94]. Issue [AM07, BDB+13, BC00, GSA08, MPI98, BC19a, CHD09, DKD07, GT19, Mar02, Old02]. Issues [BDTO, FDO2a, KGK+03, MW98, Pan95b, PSL01b, ZDD97, ARV03, EGH99, FD02b, HHA95, PBK99]. Italy [CMMR12, CH96, DKD05, DKD07, D*95, DLO03, HSS95, IEH59, KG93, OL05, ACM06b, An93b, CLM+95, DR94, SI96]. 

Iteration [HF14a, HF14b, OHR91]. iterations [Lou95, YST08]. Iterative [CCSM97, DK06, NO2b, NO3, SC04, ADDR95, EDSV09, LSS95, MGG05, NO2a, NO3a, OM09, DH94]. Ithaca [PBG+95, Ree96]. IV [SPH95]. IWOMP [CZG+08, CGKM11, CMMR12, Ed008, MCD+08, MDSC09, SHM+10]. IWPP [Kum94, PBPT95]. IWPP-94 [Kum94, PBPT95]. IWWP [Kum94]. IX [R+92].

Jersey [Bha93], Jerusalem [DSM94].
Jiang [Ano95b, NMC95]. Job [NSS12].
Jobs [GSHL02, OPM06, ZA14]. Join
[BGD12, LTRA02, SML17, BMS+17, She95].
Joint [GT94, Ano03, YHGL01, Ano03c].
JOMP [BK00]. Jose
[ACM97b, GE95, GE96]. JPEG
[CLBS17, NU05]. JPT [BDY99]. JPVM
[Fer99b, Fer98a, LGCH99]. Jr [ACM99].
Juggler [BLV18]. July
[ACM95b, ACM97a, Boi97, EV01, GA96,
Has95, IEE93c, IEE96i, Lev95, PW95, TG94].
Jumpshot [ZLS99]. June
[ACM90, Ano94f, B+05, BG91, CZG+08,
CGKM11, CMMR12, DSZ94, DW94, D+95,
IEE94e, IEE95c, IEE95i, IEE96d, IEE96h,
KG93, LIHM96, L96, MdCS+08, MdSC09,
R+92, SL94a, SHM+10, TG94, Vos03].
Jupiter [Str94]. Just
[FKLB08, FSSD17, KFL05, FK94].
Just-In-Time [FSSD17, FKLBO8]. JVMP
[DeP03].
k-ary [Pan95a]. Kalman [BY12].
Kanazawa [HHK94]. Kandrot [Che10].
Karlsruhe [Cal94, Sch93]. Karlsruhe
[Reu01]. Katsevich [DY+06]. Kaufmann
[SD13]. KBLAS [AKL16]. Keele [Ano93c].
KENO [RP95]. KENO-Va [RP95]. Kernel
[CKmWH16, CFDL01, EBK99, HKT+12,
MBBD13, PWP+16, SN+99, TY14,
FMF15, GM13, MMW96, PSB+19, SAP16,
YBZL03, AKL99]. Kernel-assisted
[MBBD13, GM13]. Kernel-based
[CKmWH16, TY14]. kernel-independent
[YBZL03]. Kernel-Level [HKT+12].
Kernels [BCh+15, KI17, KAC02, Pet01,
Ros13, SS+17, VZT+19, ARS99, BCD+12,
FSV14, FVLS15, FFMI1, KKM15, PTG13,
PGS+13, TBB12]. Kerr [Kha13]. key
[LF+93a]. kind [SP11]. Kinect [KPK13].
kinetic [JL18]. Kinetics [LD01, BTC+17].
King [ACM99]. Kingdom [Boi97].
Kirchhoff [SSS99]. Klagenfurt [Bos96].
Knapsack [ICC02]. KNEM [GM13].
knowledge [FNSW99]. knowledge-based
[FNSW99]. Knoxville [PR94b]. Kohr
[Stp02]. Kolmogorov [Str97]. KOP3D
[KR09]. Koppelrandkommunikation
[Gr97]. Kpi [EML00]. KPN2GPU [BK11].
KPP [AC17]. Kremlin [GLT11].
Kronecker [LW+12]. KSIX [AUR01].
KSR1 [BL94]. KU [IM94]. Kungl [Eng00].
Kyoto [IF95, SPE95, IF95].
L [AAC+05, BGH+05, EFR+05, MSW+05].
LA-MPI [YSP+05]. Lab [Str94]. Labeling
[PPJ01, KRKS11]. labelling [HLP10].
laboratory [JY95]. Lafayette
[EV01, EdS08]. Lagrangian
[CT94a, CT94b, RSV+05, TC94]. Lahey
[Ano98]. Lake [Hol12]. LAM [OF00, RsT06,
SSB+05, Squ03, Swa01, ZWZ05].
LAM/mpi
[OF00, RsT06, SSB+05, Squ03, ZWZ05].
lambda [PQ07]. lambda-calculus [PQ07].
LAMGAC [MS09G1, MS02a]. Lamport
[TPLY18]. LAN [CCU95, CDH+95,
MSORG01, MTSS94, TSZ94, ZG94].
LAN-based [TSZ94]. LAN-Message
[MTSS94]. Lanczos [GP95, Sch96a, Sch96b].
Landing [dcZG06]. Landsat
[GGCM99, GGCS98]. Landsat-TM
[GGCM99, GGCS98]. Lane [HHC+18].
Language [ACM96a, NM95, PD98, Sp18,
TA14, WLR05, Ben95, CGK11, Hos12,
Nob08, RKB+13, Rob00].
Language-based [Sp18]. Languages
[CCF+94, FMSG17, FSSD17, CH96, Mar05,
Ohu14, SWS+12, PBG+95, SS96]. 
LANs [Fin97]. LAPACK [Addo1, ARvW03].
LaPerm [WRSY16]. LAPI [BG01].
Laplace [ACMR14]. Large [AKE00,
BHW+17, BZ97, BJS99, BHNW01, CGC+11,
DALD18, FPFP03, Huc96, JFGRF12, LLY93,
MKC+12, FPP03, PCY14, Rdt19,
RGB+18, SGJ+03, SM03, SvL99, TEG09,
WMC+18, WT12, ZWJK05, AASB08,
large-message [AMC+19]. \textbf{Large-Scale} [AKE00, BWH+17, BZ97, FPFP03, MFPP03, SM03, WMC+18, WT12, BJS99, Sv1999, ASB08, BCH+08, Che99, FME+12, LS10, MLA+14, PD11, RMM+12, SIC+19, SC96a, TBB12, TOC18, WT11, WT13, ZWL13, ZA14].

\textbf{Larger} [NB96]. \textbf{LargeScale} [LAdS+15]. laser [EZBA16, WWZ+96]. \textbf{Lastverteilung} [Wil94]. \textbf{Latency} [Jes93a, Jon96, KBHA94, NC+12, NC+17, TB96].

\textbf{latency-tolerant} [NC+12, NC+17]. \textbf{Lattice} [BBK+94, BMS94b, HLP11, SJK+17a, SJK+17b, BW12, BMS94a, CGK+16, GM18, Sai10, SVE+11, BLPP13, OTK15]. launches [An003]. \textbf{Layer} [CSAG98, HEH98, FKK96a, PTT94, dlAMC11, dlAMCFN12].

\textbf{layered} [DiN96]. \textbf{Layering} [Hus01]. \textbf{Layers} [VZT+19, KC94]. \textbf{Layout} [WG17, BGH+05, HP11, LDJK13, Str12].

\textbf{Lazy} [TCBV10]. \textbf{Leaks} [DLV16]. \textbf{Learned} [GKPS97, MWO95]. \textbf{Learning} [AHHP17, Gro01b, AMC+19, FE17, KWF18, LSSZ15, SEC15, TWFO09, WO99, WFT014].

\textbf{learning-based} [FE17]. \textbf{Least} [PWP+16, VRS00, DK13]. \textbf{Least-Squares} [VRS00]. \textbf{Lecture} [Gei93a]. \textbf{Lederman} [An96a, An99a, An99c, An99b, An99d, NAg05]. \textbf{Leeds} [Abr96]. \textbf{legacy} [BR04, LP00, LRW01]. \textbf{Lemon} [DRUE12].

\textbf{Lengths} [GSHL02]. \textbf{LEO} [CCBPGA15]. \textbf{Leonardo} [Stp02]. \textbf{Lessons} [MWO95].

\textbf{Level} [AELGE16, BGG+15, BBC+00, CS14, CRGM14, DHHW92, DHHW93a, DLL00, GS91b, GAM+02, HA11, HKT+12, DK02, KCP+94a, KOW97, LVP04, LMRG14, NPP+00c, SHM+10, SBF+04, TS12a, TW01, XF95, BMPS03, CAWL17, CRM14, CRGM16, EPP+17, GGS99, HE15, HKO9, Hos12, KCP+94a, ML94, LCMG17, LBB+19, LM13, MALM95, NS91, Nak05b, STY99, SCL97, SG14, SFLD15, YZ14, ZWZ05, ZZZ+15, BBB...13a]. levels [AML+99].

\textbf{Leveraging} [BBW19, HDB+12, NPP+00c, SMLM14, LFL11]. \textbf{LIB} [NPP+00d]. \textbf{libomp} [KS15a]. \textbf{LibOmp} [BGD12]. \textbf{Libraries} [BHL+95, BW+12, CGZQ13, DARG13, GFD05, IEE94f, IEE95j, MLGW18, MM14, ARvW03, BCM11, BDIA94, CRD99, GS94, PS07, SK93, SDB94, SSG95, DHHK97].

\textbf{Library} [AKL16, Ada97, Boo01, BLW98, Coo95b, DHP97, EM02, FHK01, For95, GFB+03, GSI97, Gro02a, HB96b, IKT00, JPT14, KBG16, OD01, PLK+04, PS01a, RR02, Röt19, Saa94, SBG+02, Sta95b, SK96, TD98, UTY02, WN10, YKDL17, ZC10, Ada98, AMHC11, Arn95, CSS95, CGG10, CCS19, Coo95a, DREUE12, DXB06, FB97, Fan98, FKK+96b, GDC15, GLM+08, GL94, HB96a, HLM+17, Har94, Har95, JKM+17, JC96, KS15a, KN95, LR06a, MSL96, PKB06, PS00b, RFI+95, SSC96, SH96, ZT17, CC95, Mc969, Sum12]. \textbf{Life} [PZ12, Str94]. \textbf{Lifting} [vdLJR11].

\textbf{Lightweight} [KmnWH16, DT17, FLB+05, KMK16, TCM18, FS95, Ott93]. \textbf{Like} [BST+13, BK00, BK000, CGJ+00, KOB01, VG14, CSS95]. \textbf{Likelihoods} [MSCW95].

\textbf{LIME} [DRUE12]. \textbf{Limits} [GB96, MBKM12]. \textbf{Linda} [Mat94, KS96, MSP93, BLP93, CSS95, Gal97, Mat95, TDB00]. \textbf{Linda-like} [CSS95].

\textbf{Line} [BoFBW00, CGS15, Wis98, Bor99]. \textbf{Linear} [ASA97, BDT08, BG95, CDD+13, DHG+19, Gao03, Hu96, LLY93, LZ97, MB18, MGMH97, MSB97, YKW+18, ZTD19, van97, BSN95, BkVH+14, BAV08, BRR99, CEGS07, DR18, Gra09, GPFP12, Jou94, LRLG19, MW98, MM11, OKW95, SCC96, SMSW06, dCH93, dH94].

\textbf{Linear-scaling} [Gao03]. \textbf{Linearization} [MH18]. \textbf{Lines} [NE01, YULMTS+17]. \textbf{Link}
MagPIe [KHB+99]. Main [Tour96].
Maintaining [PKB01]. maintenance [ZDR04, ZDR01]. major [WLK+18]. Makes [ZG95b, Str94]. Malleable
[EDSV09, MSMC15]. Mambo [WZWS08]. Man [IEE95a]. Manageable [PKB01].
Management [KCR+17, LB16, SYR+09].
Manchek [Ano95b, NMC95]. Manipulation [KKV01]. Mantle [BB95b].
Manual [CSW12, NSLV16, Reu01]. Many [DT17, LZH17, LLCD15, RB01, SXMX+18, TCM18, YTH+12, ACMZR11, AV18, BBC+19, VDL+15, dCZG06].
Many-Accelerator [SXMX+18].
Many-Core [LZH17, TCM18, YTH+12, LLCD15, ACMZR11, AV18, BBC+19, KSG13, MBBD13, dCZG06]. Many-Cores [DT17]. Manycore [MJB15, DJJ+19, KGB+09]. Map [JPT14, FFM11, FJBB+00, MSCW95].
MAPA [JJPL17]. Maple [Pet00a, Pet00b, Pet01]. Mapping [BB18, DDP+19, GAMR00, HC06, NTR16, RRBL01, SPB+17, TSZC94, W009, ASA91, DDL95, EO15, GFI9+18, HC08, TWF009, WCS+13, WTDFO14, WK08a, WK08c, dCZG06, WK08b]. MapReduce [EADT19, JS13, MMM13, PD11, WZHZ16].
Maps [BM07, KRC17]. Marc [Ano96a, Ano99a, Ano99c, Ano09b, Ano99d, Nag05].
March [ACM95a, ACM06a, Ano89, Ano93c, Cal94, DKM+92, IEE93f, IEE94d, IEE95b, IEE97a].
Marine [LLRS02]. market [LF+93a].
Markov [BBH12, FK01]. Marlioz [GA96]. marshaling [CFKL00]. MARTE [RGD13].
Massachusetts [IEE94e]. masses [Cla98].
Massive [Sie92a, MALM95, OLG+16]. Massively [B393, BHS18, DSZ94, IEE94a, IEE96c, KHSB19, KMM15, KS01, MM02, OWSA95, WH94, FLPG18, LFS+19, MM03, Qu95, YPZC95, YZPC95].
Massively-parallel [MYB16]. Master [FH98, EML00, LTR00, HP05].
master-slave [HP05].
Master-Workerproblem [FH98]. Master/Slave [LTR00]. Master/Worker [EML00].
Matching [GGC+07, KMM15, KS01, MM02, OWSA95, WH94, FLPG18, LFS+19, MM03, Qu95, YPZC95, YZPC95].
Materials [Y+93, PSV19, SP+94].
Mathematical [VZT+19, Was97, Has95].
Mathematics [Whi04, ANS95].
MATLAB [BKGS02, Whi04, Ano97, Bra97, ZZG+14].
MATLAB-MPI [BKGS02]. MatlabMPI [KA04, Kep05].
MATOG [WG17].
matrices [DR18, GG99, GSMK17, Kan12].
Matrix [AKL16, BSvdG91, Cha96, DS13, Fuj08, GK10, KK91, PMvdG+13, TQDL01, TD98, ART17, CMH99, ER12, FAF16, FZJ+14, KBP16, PKD95, TPD15, XXL13].
Matrix-Free [KK19]. Matrix-Vector [AKL16, DS13, Fuj08, XXL13].
Maui [ACM10]. Max [Ano94c].
Max-Planck-Gesellschaft [Ano94c].
Maximal [BDA+18]. maximisation [CCU95]. maximum [HKOO11].
Maxwell [And98]. May [ACM96b, ACM06b, AGH+95, BS94, Cha05, DT94, EdS08, Gat95, HS95a, IEE95e, IEH95i, PR94b, SPE95, SW91, SS96, Van95].
Maydan [Stp02]. MBCF [MMH99]. MCA [WCS+13].
McDonald [Stp02]. MCHF [SYF96].
McLean [IEE94a, Sie92a, Sie92b].
MCNP [MW93, McK94, WH96].
MD
[IEE02, TMPJ01]. mdb [DKF94a]. MDE [RGD13]. Means [TK16]. Measurement [BFBW01, BFIM99, KRS99, Shi94, TMC09]. Measurements [HVNa00, EFR+05, GL99]. MECCA [AC17]. mechanics [Bi95, MGG05, SL95]. Mechanism [CGLD01, KSV01, HX+15, TSS00b, Tra02a, HWX+13, SIRP17, ZRQA11, ZA14].

Mechanisms [Wai01a, CGBS+15, Ott93, TMTP96]. Mechatronic [KDL+95b, KDL+95a]. mEDA [VAT95]. mEDA-2 [VAT95]. media [EZBA16, MAIVA14]. Medicine [GA96]. MEDINA [AC17]. medium [WLNL06]. medium-scale [WLNL06]. Meeting [AD98, Ano93f, CHD07, CD01, CDND11, DKG05, DPK00, DLO03, GA96, KG10, KR02, KKD04, LKD08, MC94, MTW06, RW09, TDB12, BDW97, JB98, SP95, Ano92, CH09]. megabase [SdM10]. Meiko [FST98a, FST98b, Jon96]. Melia [WZH16]. Mellon [IEE94d]. Membership [MDM17]. membrane [FHSO99]. Memory [Att96, BME02, BW+12, BRI90, BSS07, BT01b, CLOL18, CLA+19, CWS97, CC99, DM98, DMB16, DR97, DHHW92, DHHW93a, EADT19, FB94, GCBM97, GB96, GSN+01, GSHL02, GLRS01, HC10, HDB+12, HDT+15, HT01, JPL17, KB98, KS13, KSSH01, LSB15, Loo99, MB12, MRB17, MEE03, MHH98, MCDS+08, MI92, NPP+00d, PK00, PK06, PMwg+13, Ros13, STY99, ST02b, SW91, Thr99, VS00, VT97, WJA+19, ZL17, ZL18, ARS89, ABC95a, ABC95b, ADMV05, BCA+06, BVM12, BSC99, BMG07, CBPP02, Cha05, CjvdP08, Cha96, CBHH94, CR14, CCO0b, DF17, DLR94, DBF01, DPFT19, DS96b, DHHW93b, DPZ97, EV01, FSV14, FHB+13, GCN+10, GBH14, GBH18, GKK09, GL96, GL97c, GP95, HSP+13, HGMW12, HDB+13, HK09, JC17, JE95, KN95, KJA+93, KCO6, LKL96, MLC04, NAJ99, NAAL01].

memory [OLG+16, PK05, PS00b, RS19, RGD15, SSH08, SHH01, SL94b, SBY+12, SYR+09, SFL+94, SSC96, SPL99, SD16, TSY99, TSY00, THDS19, Uhl95a, Vos03, Wal94a, Wal94b, WPL95, WK08a, WK08b, WO8c, WC13, WMRR17, WMRR19, YX95, LBD+96, GKG7, SG05]. Memory-access-aware [CLA+19]. Memory-Based [MMH98]. Memory-Divergent [WA+19]. Memory-Efficient [MRB17]. memory-level [HK09]. Memory-Oriented [ZL18]. Memory/Message [ST02b]. MemTo [GSM+01]. Menon [Stp02]. Mesh [DDP+19, HAA+11, MRB17, Ran05, BAS13, CLSP07, Cou93, GBR15, IS16]. mesh-particle [BAS13]. Meshes [MRB17, TP15]. Message [Ano93d, AKL99, Att96, BC91a, BZ97, CBA+03, BBG+99, BBG+01, BDH+97, BGR97b, BFM97, CD07, Cer99, CGZQ13, CH94, Cot97, Cot98, CT00, CDND11, DFKS01, DHHW92, DHHW93a, DLL00, FKKC96, Fos98, FB94, G07, GB96, Gie93, GLRS01, GLS94, GL95c, GLT00, Hem94, KGRD10, KS07, KSV01, KOKD03, KKD04, LD08, Loo99, MPI98, MP95, MS98, MBES94, MG97, MTW06, MS97, NW98, PK00, PK96, RC97, RR01, RW09, RFG+00, SAL+17, ST02b, TB12, WD96, Wer95, Wis97, YHGL01, ZL13, ZG95a, ZG96, ZDL+12, Ada98, AD98, AAC+05, An93e, An94d, An95c, An96a, An96b. AMc+19, BBG+14, BL97, BvdS95, Bjo95, Bru95, BDW97, BFIM99, CGJ+00, CDZ+98, CRD99, CD01, CG99b, DFK93, DMM93, DKD05, DS96b, DHHW93b, DOS96, DLM99, DKP00, DLO03]. message [FK94, GL92, HP05, HYP+93, Hem96, KJA+93, KTA02, LR06a, LBD+96, W94, LFS+19, LCY96, LMM+15, LBB+19, LC97b, NS91, PS07, PKB06, Ple94, PR94a, PS00b, Sda99, SWJ95, SDV+95, SZ99, SS9G, ST04, TSZC94, VM95, Wal94a, Wal94b, ZKRA14,
ZA14, AMHC11, BC14, BBH+06, BRU05, BDD+95, Cot04, DDK08, DiN96, FKS96, FGTV96, FGG+98, GGHL+96, GLDS96, GLT99, GLS99, GLUT00a, GL04, Han98, IBC+10, KTF03, KK05, LT01, MTSS94, MLS96, P01b, RRH96, SWHP05, SLG95, SWL+01, TGT05, TDB00, Wer95, YGH+14.

Message-Passing [Ano93d, Att96, Cot97, Cot98, DHHW92, DDL00, GLS94, GL95c, GLT00b, MPI98, PBK00, Pok96, RRBL01, AAC+05, Ano94d, Ano95c, Ano00a, Ano00b, BvdSvD95, CDZ+98, GL92, Hem96, KJA+93, LR06a, LBD+96, wL94, LMM+15, PS00b, SSG95, Sti94, DiN96, GGHL+96, Han98, RRFH96, SLG95, Wer95, YGH+14].

Message-Passing-Interface [Wer95].

MessagePassing [Sei99].

Messages [KBS04, SKH96].

Messaging [HEH98, KC94].

Meta [BCLN97, FBD01a, FGRD01].

Meta-Applications [BCLN97].

MetaHaskell [Mai12].

Metal [JLS+14].

Metaheuristics [ZSK15].

Metal [JLS+14].

MetaAMP [OW92].

metaprogramming [Mai12].

meteo [BCLN97].

Meteorology [HK93, HK95].

Method [ACMR14, BP99, BJS97, CGU12, DAD91, FCLG07, GS97, HC06, KMK16, OMGK99, Riz17, TSS08a, ARTY17, BDBH14, BCM+16, DSOF11, ETV94, GFIS+18, HE13, HKV94, HJBB14, HPTL99, JMS14, KS15a, KDI2, LCL+12, MMDA19, Nak05b, NS16, PTT94, Pri14, Qu95, SHHC18, TKP15, YBZL03, dIAMCFN12, AAB+17, OKT15].

Methodologies [Sun94b].

Methodology [MOL05, WTT017, HPR+95, LM94, WMP14].

Methods [BCM10R, CMK00, DFN12, EGH+14, FGKT97, GFPG12, KLR+15, KLI11, NA01, Sch01, SM07, TDBEE11, W014, ZB97, CEGS07, DF17, D+95, Gra09, Has95, LSR95, MM11, Nak05a, PGK+10, R+92, SL94a, SGS95].

Metric [SN+19].

Metrics [DW02, PARB14].

Metropolis [HJBB14].

Mexico [IEE91, Sie94].

MGC [TS900a].

MGF [GLM+08].

MIAOW [BGG+15].

MIC [BB18, CCBPGA15].

MICE [BK96].

Micro [Ano03, BWV+12, SGH12, YSWY14].

Micro-applications [SGH12].

Micro-Benchmark [BWV+12, YSWY14].

Microbenchmark [BO01].

Microcoded [PWP+16].

Microwork [OIS+06].

MIDAS [BFZ97].

Middleware [AUR01, CLL03, CC10, RPS19].

Millions [BBG+11].

MIMD [BvdB94, BB93, BCL00, Uhl95a, WST95].

MIMD/DMMP [BB93].

MiniMPI [GCC99].

Mini-applications [SCJ19].

MINIME [DS16].

MINIME-GPU [DS16].

minimization [POL99].

Minimum [KA95, Wu99, GKD+18, NCKB12].

mining [MA09].

minisweep [SCJ19].

Mississippi [IEE94f, IEE95j, IEE94f, IEE95j].

mitigating [OdSSP12].

Mitigation [BBH+13a].

Mitsubishi [Ano03].

mittels [Wil94].

Mixed [ASA97, BEG+10, CF01, OPP00, ST02a, MRH+96, SK00, SB01].

Mixed-Mode [BEG+10].

Mixing [CP98, GAP97, CBYG18].

mixture [EO15].

MK [NS91].

MLP [JLG05].

nn_par2.0 [OKM12].

MN [Ano94b].

Mob [SVT97].

Mobile [ITT02].

Mode [BGK08, BR02].
BEG$^+$10, LRT07, HHSM19, SB01, YX95).

Model
[AP96, BGG$^+$02, BdS07, CKmWH16, Cha02, C7G$^+$08, Dar01, DFA$^+$09, FSXZ14, FBSN01, GLB00, GLRS01, HPL11, KD12, LWZ18, LGG16, LA02, LRQ01, MWK11, NSLV16, NO02b, Rau05, RSV$^+$05, RRBL01, SPM$^+$10, S95, SPH$^+$18, THN00, VT97, Wal01a, YCA18, AL93, BSC99, Bir94, BG94b, BDV03, CMV$^+$94, CL93, CKP$^+$93, ED94, G7K12, G7CN$^+$10, G7LyCY97, G7WVP$^+$14, GRTZ10, HPLT99, HK09, HK10, KOS$^+$95a, KSL$^+$12, KL15, LR06b, LA06, LLLH$^+$14, Mar05, Ms6SAS$^+$18, MSZG17, MGC$^+$15, N002a, Nak05a, PAdS$^+$17, PQR18, Ras16, RGDML16, RCG95, Sch93, SH94, Sch99, SMAC08, Str94, V7BlvdG08, Vis95, Wan02, WC15, WL1K$^+$18, WYLC12, YX95, TA14].

Model-Based [AP96, LGG16].

Modeling [ACM96a, ATM01, BS07, CSC96, CDM93, FST98a, GAM$^+$02, MOL05, NM95, RGDM15, Ros19, SEF$^+$16, TD99, VFD02, WJA$^+$19, WMC$^+$18, XH96, AC07, BDP$^+$10, Bid95, BB5b, JL18, KM10, KME09, KEGM10, L2HY19, MS98a, WT13, XXL13, YMY11].

Modelling [FST98b, GC05, Ham95a, KDL$^+$95b, BJ99, HTHD99, KDL$^+$95a, MSZM10, QHCC17].

Models [AKK$^+$94, BS93, BZ97, CMK00, Cer99, CNM11, DK06, EMO$^+$03, ESM$^+$94, GJN97, PPF89, SS01, SMOE93, SYL19, Whi04, BB95a, CPM$^+$18, CH96, Dfu92, KO14, LV12, MCB05, Nes10, RSB795, RB117, STP$^+$19, SYR$^+$99, Wal00, WBC17].

moderate [Uhl95a]. Modern
[AHHP17, DARG13, KDT$^+$12, LNK$^+$15, SM07, HH14, PMZM16]. modes [WZS08].

Modified [Riz17, GP95, KD12]. Modular
[CT02, HPP02, FWS$^+$17, HLM$^+$17].

modulator [WWZ$^+$96]. modulator/DFB [WWZ$^+$96]. Module [An98]. Modules [AKK$^+$94, DS96b]. modules-design [DS96b]. Molecular [ABG$^+$96, BST$^+$13, BCGL97, BL95, BS07, DR97, DI02, KBM97, LAF15, MH01, SA93, YWCF15, ZB94, BvdSvD95, BBK$^+$94, BMPZ94b, BMPZ94a, CC00b, DCD$^+$14, Dai91, FH99, HHS18, JAT97, JMS14, KFA96, KRG13, LSVM90, OK12, PAR14, SL95, VGP$^+$19, ZWL13].

molecule [ART17]. Moller [BL95, KN17].

MONC [BBW19]. Monito [SGL$^+$00].

Monitor [KRS99, Whi94]. Monitoring
[AH00, BCLN97, Beg93b, BFM06, BM796b, CD98, DBK$^+$09, GSN$^+$01, IADB19, LY93, LW07, MW797, MVY95, SGL$^+$00, UP01, Wis98, Wis01, Yan94, Beg92, Beg93c, Beg93a, BB94, BS8a, BFMT96a, FLB$^+$05, LC07].

Monodomain [ORA12]. Monona [ZL18].

Monte [HJBB14, RP95, WH96, ADRT98, AK99, DAK98, NSLV16, RR00, SK00, SKM15, ZZ04]. Monterey
[An98, Gat95, USE94]. Montpellier
[DE91]. Montréal [Ley95]. MOPS
[GJN97]. Morehouse [AGH$^+$95]. Morgan
[SD13]. Morphable [ZL17]. morphology [VLSL19]. Morton [LZH18]. MOSIX
[BBGL96]. motif [FMS15]. motors
[SKM15]. movement [MV17]. Moving
[HAA$^+$11, LSG12]. MPE [GKL95, KFA96]. MPEG
[NU05]. MPEG-4 [NU05]. MPI
[ARYT17, AD98, An95c, An99a, An99c, An99b, An99d, An00a, An00b, BDW97, CHD07, CHD09, CD01, CDND11, DKD05, DLM99, DKP00, DLO03, GBR97, GEW98, IEE96i, JMS14, KGRD10, Kra02, KKD04, LKD08, MTWD06, Nag05, Per97, PS01b, RWD09, RLVRGP12, ST02a, TDB00, TBD12, Vre04, WSN99, YW97, ST02b, ACGdT02, AKB$^+$19, Ada07, Ada98, AC07, ACH$^+$11, APJ$^+$16, AAS08, ART17, ATM01, ACRG97, AK99, ABF$^+$17, AHP01, ACIMZR11, ALW$^+$15, ALB$^+$18, ADLO3a, ADLO3b, And98, FH98, AVA$^+$16, An93c, An94d, An98, An01a, An03, AKE00, AKL99, AJF16, AIM97, ADR$^+$05, AHHP17, AMC$^+$19, Bad16, BV99, BCMR00, Bak98, BF98, BCYK99, BBD$^+$10, BCG$^+$10.
MM03, MOL05, MCS00, MANR09, MRRP11, MG97, MMDA19, MMM13, MTW07, MK04, MCLD01, MMH98, MMH99, MS99c, MB00, MvWL+10, NAW+96, NOO2b, NO02a, Nak05a, Nak05b, NSBR07, NE08, NE01, Nes10, NSS12, NH95, NCB+12, NCB+17, NAJ99, NW98, Nit00, NIT06, NFL+10, NN95, OM96, OL+16, OKM12, OSI+06, OD01, OF00, Ong02, OP98, OL05, OGM+16, OMK09, Pac97, PARB14, Pan14, PK08, PES99, PLK+04, PS08, PDY14, PS00a, PS01a, PHJM11, PTL+16, Per99, PZ12, PGK+10, PFG97, PLR02, PGA+B05, PGBF+07, PGAB+07, Pla02, PD11, PSS01, PSK+10, PTH+01a, PTH+01b, PS00b, PT99, QB12, Qui03, Rab98, Rab99, RDBM99, RR01, Ram07, RSB95]. **MPI**

[RMS+18, Ran05, RA99, RAS16, RCFS96, RBB97a, RBB97b, RBB97c, RSPM98, RTH00, RH01, Reu01, RST02, Reu03, RGD15, RGDML16, RRGP+18, RNP13, RPM+08, Rö00, Rol08b, RsT06, RSC+19, RFRH96, RRG+99, RTRG+07, SE02, SCB14, SCB15, STP+19, SPM+10, SSB+05, Sap97, SB+16, SDJ17, SGH12, SBE+04, SCJH19, SW12, SGB+02, SG05, Ser97, SS01, SWS+12, SG12, STY99, SM02, SM03, SC19, SPH+18, SP99, SZ11, SC04, SSC96, SS99, SIC+19, SZBS95a, SZBS95b, SDN99, SvL99, SJ02, SWJ95, SMTW96, SH96, SDB04, SLG95, SDV+95, SPH96, Slo05, SVC+11, SK00, SB01, SOHL+96, SOHL+98, Sn18, SHHC18, SSL97, Squ03, Ste96, ST97, Sto98, SU96, Str96, SRS+19, Sum12, Sn01, Swa01, TOTH99, TAH+01, TSY99, TSY00, THDS19, TK15, Tha98, TGL02, TGO9, TGLK19].

**MPI** [TPLY18, TW01, TD99, TOC18, Tra98, THRZ99, TRH00, Trä02b, Trä02a, TGT10, Trä12a, Trä12b, TMP01, TFGM02, Tsu07, TFZZ12, UTY02, URK12, VFD02, VLSP19, VS00, VPS17, VSRC94, VSRC95, VGRS16, VdS00, VP00, VVD+09, WH96, Wal95, WO95, Wal96a, WD96, WO96, Wal01a, Wal01b, Wal00, WC09, WLNI03, WNL06, Wer95, WST95, Whi04, WLR05, WWZ+96, Wis98, WB96, WM01, WADC99, Wor96, WRA02, WCS99, WT11, WYL12, WT12, WLYC12, WT13, WMP14, XH96, XLW+09, YM97, YL09, YHL11, WYC11, YCL14, YMBMC14, YPAE09, YTH+12, YSP+05, Zai12, ZZ04, ZLZ+11, ZW05, ZLP17, ZJDS98, ZL+12, ZZ95, ZSNH01, ZKRA14, ZA14, bT01a, dAMCF12, KI96, Mar06, YM97, Ano96a, Ano99a, Ano99c, Ano99b, Ano99d]. **MPI-1** [SOHL+98].

**MPI-2** [Ano99c, Ano99d, Ano00a, AKL99, BCAD06, BHS+02, CwC+11, CD06, DPS08, GGF03, GGHL+96, GT01, GHLL+98, GLT99, GLT00b, GLT00a, HGMW12, LSK04, MS02a, MK04, PS00a, SS99, SSL97, TRH00, bT01a, BADC07].

**MPI-3**

[FCS+19, GBH14, GBH18, GLT12, HDT+15]. **MPI-ACC** [APJ+16]. **MPI-Based**

[Ada97, FSC+11, RDM99, SM03, Ada98, AWA+16, GKS+11, Gra97, LRW01, OLG+16, OP98, SZ11, TJP10]. **MPI-basierte**

[Gr97]. **MPI-benchmark** [Reu01]. **MPI-CHECK** [LC+03]. **MPI-CUDA**

[DR18, dAMCF12]. **MPI-DDL** [FB97]. **MPI-Delphi** [ACCD10]. **MPI-driven**

[Hin11]. **MPI-F** [FHP99b, FHP99c]. **MPI-FM** [LC07a]. **MPI-FT** [LNLE00]. **MPI-GLUE** [Rab98]. **MPI-Hybrid**

[CXC+11]. **MPI-I** [IRU01, Tsu07]. **MPI-I/O** [IRU01, Tsu07].

**MPI-interoperable** [YMBMC14]. **MPI-IO**

[BIC+10, CCC+02, CFC+96, DL10, FWNK96, FLS98, LRT07, LGG16, PSK03, PTH+02a, SW12, Sto98, TGL02, ZZ04].

**MPI-IO/GPFS** [PTH+02]. **MPI-LAPI** [BG9701]. **MPI-Level** [LVP04]. **MPI-like**

[CGJ+00]. **MPI-only** [LS10].

**MPI-OpenCL** [JNL+15]. **MPI-OpenMP** [MS02b]. **MPI-parallelized** [KMG99].

**MPI-Performance-Aware-Reallocation** [GFIS+18]. **MPI-StarT** [Hus98]. **MPI-The**

[Ano99c, Ano99d]. **MPI-thread** [IDS16].

**MPI-FT** [ACGdT02].

**MPI-I/O** [IRU01, Tsu07].

**MPI-interoperable** [YMBMC14]. **MPI-IO** [BIC+10, CCC+02, CFC+96, DL10, FWNK96, FLS98, LRT07, LGG16, PSK03, PTH+02a, SW12, Sto98, TGL02, ZZ04]. **MPI-IO/GPFS** [PTH+02]. **MPI-LAPI** [BG9701]. **MPI-Level** [LVP04]. **MPI-like** [CGJ+00]. **MPI-only** [LS10]. **MPI-OpenCL** [JNL+15]. **MPI-OpenMP** [MS02b]. **MPI-parallelized** [KMG99]. **MPI-Performance-Aware-Reallocation** [GFIS+18]. **MPI-StarT** [Hus98]. **MPI-The** [Ano99c, Ano99d]. **MPI-thread** [IDS16].
MPI-Umgebung [GBR97]. MPI/CUDA [PHJM11]. MPI/GAMMA [CC00a].
MPI/GPU [EZBA16]. MPI/GPU-code [EZBA16]. MPI/MBCF [MMH99].
MPI/OpenACC [OGM16].
MPI/OpenMP [ADR05, GAUVRL17, HKN01, JLG05, JR10, KS15a, KN17, KLR15, KRG13, LLRSO2, MMADA19, PZ12, SB01, WT11, WT12, WT13].
MPI/PVM [ES11]. MPI/RT [SKD04]. MPI/RT-1.1 [SKD04]. MPI/SMPSSs [MLAV10].
MPI_Allgather [GmMBD07]. MPI_Connect [GRD01].
MPI_L [GVF18, HHK19]. MPICH [BBC02, BCH03, BHK06, Cota98, Cota04, GL97a, KTF03, LJK03, OMP06, OF00, RFG00, RST06, SBB02, TRG05].
MPICH-CM [SBG02]. MPICH-G2 [Cota04, KTF03, OMP06].
MPICH-GQ [RFG00]. MPICH-V [BBC02, BHK06].
MPICH-V2 [BBC03]. MPICH2 [BMG07, Gro02b, ZSG12].
MPIConnect [FLD98]. mpicroscope [Trä12b].
MPSGeneNet [GDM18]. mpJava [BCFK99].
MPINE [Sot01]. MPIPOV [FFB99]. MPIT [HIP02]. MPIWiz [XLW09].
MPJ [CGJ00]. MPL [XH96].
MPL0* [CRD99]. MPP [CDJ95, DOSW96, GBR97].
MPP-Systeme [GBR97]. MPPs [BGR97a, RBB97a].
MPSsc [KKJ08, KHL10, PSM14].
MPSscSs [MB12, NEM17, SPB17].
MPVM [CCK95]. MRE [LSSZ15]. MRO [MIM13].
MRO-MPI [MIM13]. Multi [Ada98, ABB10, Bri10, BCKP00, CAWL17, CZG08, DWH10, EBKG01, FSXZ14, HD02b, HRZ97, JCH08, JNL15, KBA02, KTO2, LTS16, LM13, MLGW18, MG15, MB00, NMS14, PZ12, RG18, RR02, Smi93a, STo2a, STo2b, SSB17, WB987, YGH11, ZL18, ACMZ011, AGM106, BCC19, BCK10, DCH02, DWL12, Fin94, Fin95, FHB13, HTA08, HE15, JR13, JMM11, JR10, KSG13, KLV15, KO14, Kom15, LSG12, LS10, LLH14, MALM95, NSM12, SCB15, SFSV13, SVC11, SAP16, Str12, TS12b, TFZ12, VLSPL19, WCC07, WO09, WADC99, WLYL12, ZAFAM16, ZWZ15, ZZZ15, SAP16, OG14].
multi- [ACMZR11, BBC19, KSG13].
multi-/many-core [KSG13].
multi-accelerator [KLV15]. multi-agent [ZWZ15].
multi-agents [KBA02].
Multi-Array [LTS16]. Multi-cluster [ST02b, KO14, Kom15].
Multi-Context [ZL18]. Multi-Core [ABB10, Bri10, CZG08, YGH14, PZ12, FHB13, HTA08, JR13, JMM11, JR10, LLH14, SFSV13, SVC11, TFFZ12, WCC07, WLYL12].
Multi-Dimensional [HD02b, KT02, RG18]. multi-endpoint [LLH14].
Multi-GPU [JNL15, NMS14, NSM12, TS12b, SAP16, SG14].
multi-kernel [SAP16].
Multi-level [CAWL17, LM13, HE15, MALM95, ZZZ15].
multi-morphology [VLSPL19].
Multi-Network [BCKP00].
Multi-Node [HRZ97]. multi-petaflops [LSG12].
multi-phase [ZAFAM16].
Multi-Physics [WBH97]. multi-place [BCC09].
Multi-platform [DWH10, DWL12].
Multi-Processing [MLGW18].
Multi-Processor [RR02, Smi93a, DCH02].
multi-programming [WADC99].

Multi-protocol [MB10]. multi-socket [LS01]. Multi-Stage [FSXZ14].
Multi-Threading [MG15, Ada98, EBKG01, SCB15].

Multi-Threading [MLGW18]. multi-valued [Str12]. multi-versioned [SSB17].
multi-zonal [Fin94, Fin95].
Multi-Zone [JCH08, AGM106].
Multiblock [IDD94, DLR94]. Multicast [CCA00, CDFM03, ZGN94].
Multicasting [SE02].
multicenter [CwCW11].
MultiCL [APBeF16]. multicomputer
Multicomputers [SWJ95, TD99].

Multiconference [Ten95].

Multicore [BDT08, CGC, CB16, DSH, DGH, GDM, KDT, LNK, WT12, YKW, ASB, CLYC, GJLT, HWX, JPO, KN, LS10, MBBD, MM, Nob, OPW, QB12, RDML, WCS, WT11, WLYC, WT13, YHL, YWC, diAMC].

Multicore/many-core [MBBD13].

Multicores [GDDM17, UGT09].

Multidestination [Pan95a].

Multidimensional [CSW99, DMK, PDY, ZT].

Multidisciplinary [Fin94, Fin95].

Multifrontal [IM95].

Multigrain [AZG17, IOK].

Multigrid [BCM, AGI, IHI, Lou, Mic, Mic, PSL, RM, Sta, ZZG].

Multigroup [QRG, QRM].

Multilevel [JLG, PSSS, BAV, ETV, GAM, JY].

Multimedia [GFB].

Multimethod [FGT].

Multiobjective [RLVRGP].

Multiparadigm [FS].

Multiphase [SPI].

Multiphysics [NPS].

Multiprocessor [SG15].

Multiprocessing [Mw, VGS].

MultiPro [Pet, ABCI, ABCI, ADMV].

MultiProcessors [BDV, CCP, HPP, NPP, SBW, SS, Tra, JE95, JC06, SYR, AGIS].

Multiprogrammed [TSY].

Multiprogramming [BHP].

Multiprotocol [BHK].

Multirail [LPV].

Multiservice [CLLASPDP].

Multisource [ZDR].

Multistage [ZGN].

Multithreading [BBG, ZWL].

Munich [BDLS, GH].

Mushy [Wit].

MUST [HPS, HPS].

Mutual [She].

MVAPICH [RMS].

MVICH [OF].

Myocardial [Pat].

Myrinet [GBH].

n [Pan, ADB, RTRG].

N-body [ADB, RTRG].

NAG [DHP, For, MC].

NAME [PZ].

Naming [MSF].

Nancy [BR].

NanosCompiler [GAM].

Narrow [YSS].

NAS [CRE, CE, CCF, CDD, K, MMH, WAS, WT, WT].

NASL [PH].

NATIVE [Ara].

NATUG [KG, TG].

NATUG-7 [Ara].

Necessary [NPPb].

Needed [Gei].

Neighbor [DI].

Neighborhood [HS].

Nekbone [GML].

Nemensis [BMG].

Nesbet [BL].

Nested [AHD, BR, BS, DLRR].

nCUBE2 [BL].

Near [PKYW].

Nearest [DI].

Nebulung [MFG].

NEC [GPL].

Necessary [NPP].

Needed [Gei].

Neighbor [DI].

Neighborhood [HS].

Nekbone [GML].

Nemensis [BMG].

Nesbet [BL].

Nested [AHD, BR, BS, DLRR].
DSCL05, GLP +00, HA10, MMS07, TTTSY00, ZLP17, aMST07, AGMJ06, BS05, HSE +17, THH +05, YZ14, JLG05. Nesting [BBC+99]. Nest [DMB16]. Net [CNM11, NE98, NE01, PES99]. Net-Console [PES99]. Net-dbx [NE98, NE01]. NetCDF [LkLC03]. Netherlands [DSZ94, Ano93f, Van95]. Nets [Sou01, Str94]. Network [ACM98a, AR01, BDG+91b, BDG+93a, BCKP00, CZ95a, CDHL95, CSC96, DM95b, DM95a, DBA97, DFMD94, DGMS93, DGMJ93, EK07, Fer98b, Fis01, GS91b, GS92, Gei93a, GSxx, Hus98, ITT02, LB98, LH95, MSCW95, MANR09, OF00, OWSA95, TW01, VZT+19, AL92, AH95, AYA+16, BDG+92a, BDG+92c, BDG+94, BSvdG91, B99, Bon96, BBK+94, BID95, BF96, Coe94, CLLASPD99, Fer98a, GS91a, Gei93b, GK97, GHZ12, HBT95, HK94, HH95, IM95, KMC96, KM97, KA95, LH98, LHD+94, LHD+95, MK94, MRH+96, POL99, PR94c, PT99, Rag96, SEC15, SPK+12, TSS98, YS93, ZPLS96, GK97]. Network-Balancing [DBA97]. Network-Based [BDG+91b, GS92, BDG+92a, IM95]. Network-Specific [DM95b, DM95a]. network-topology-aware [SPK+12]. Networked [FGKT97, GB+94, Nov95, NMC95, Per96, Ano95b, BMPZ94b, BMS94a, BMPZ94a, GM94, HS93, RRG+99]. Networking [ACM97b, ACM95b, ACM00, ACM01, Hol12, LKC11, CXY+12, GH94, HS95a, ITT99, LCHS96, MZK93]. Networks [CSV12, CDM93, DD+19, DDPR97, GFV99, GDM18, GHL97, HH94, HLCZ00, HIP02, LHHM96, Li96, LH98, MBS94, QMG00, SG15, TQDL01, Tou00, VLO+08, VB18, WAS95b, WMC+18, BK11, BRS92, CZ95b, CFPS95, DG95, DZ98a, J94, LR06a, LTL94, LHD+94, LHD+95, NFG+10, Pan95a, TDB00, ZGN94]. Neural [AGH+95, CAM12, CSV12, QMGR00, Str94, GkLyC97, Rag96]. Neurocomputing [PSZÉ00]. neutrino [KHBS19]. Neutron [LD01, RS97, VRS00, WR01, MM92]. Nevada [Ano94c]. never [Har94]. Neville [ACMZ11]. Newport [IEE93b]. News [Ano97, Ano03, Bra97, ESB12, KS15a, Str94]. Newton [ZB97]. Next [GKPS97, Gei98, Gei01, VPS17, VZT+19, SP11, ZKRA14, vdP17]. Next-Generation [VPS17, ZKRA14]. NFS [CGC+02]. NHPDCC [BRST94]. NIC [MFPP03]. NIC-based [MFPP03]. Nice [ACM90]. nineteenth [IEE95]. Ninth [ERS96, R+92]. NIST [SNMP10]. Nitzberg [Ano99c, Ano99d]. NLP [VB99]. NM [IEE95d, Old02]. NoC [HWX+13]. NoC-based [HWX+13]. Node [HR97, KFL05, FKL08, GM13, Gro91, JR10, LFL11, RS19, Zah12]. Nodes [BBC+02, B+03, B+09, JNL+15, MKC+12, VGP+19]. Noise [SAL+17]. Non [BCG+10, CCSM97, Gua16, HTA08, MW98, Man01, WLNL03, WTR03, FH98, BCH+08, OKW95, OM90, STP+19, TVC18, WLNL06]. Non-blocking [HTA08, HF98, BCH+08, STP+19]. Non-Contiguous [WTR03]. Non-Data-Communication [BCG+10]. non-dedicated [WLNL06]. non-iterative [OMK09]. Non-linear [MW98, OKW95]. Non-Local [CCSM97]. Non-persistent [Man01]. non-singleton [TVCB18]. Non-stop [G98]. nonaligned [AGIS94]. nonblocking [DJ+19]. Noncontiguous [JDB+14, TGL02]. Nondeterminacy [DF93]. nondeterminism [Ob96]. Nondeterministic [KSV01, CRD99]. Nonlinear [Nak03, Was95a, ZB97, CE07, Jou94]. nonnegative [KB16]. nonsymmetric [dH94]. Nordic [FF95]. Norfolk [S93]. normalized [Gra09]. North [CNJW95]. Note [BR02, SGHL01]. Notre [IEE96i].
novel [DDYM99, GKK09, MLVS16, MSL12]. November [ACM96c, ACM97b, ACM98b, ACM99, ACM00, ACM01, ACM03, ACM04, ACM05, Ano94c, ACRD94, BDW97, GN95, HK95, Hol12, IEE91, IEE93e, IEE94h, IEE94h, IEE02, LCK11, USE94]. novice [CGG10]. Novices [Stp02]. NOWs [SLGZ99]. NP [YZ14]. NPACI [PKB01]. NPB [EGC02]. NR [Gu16]. NR-MPI [Gu16]. NSGA [Gua16]. NT [Ano01a, Bak98, CLP99, FD97, GGGC99, PS00a, SFG98, TAH01]. NTRUEncrypt [KY10]. NTUG [FF95]. Nuclear [BPG94, GA96]. nuclei [NS16]. NUMA [BCC00a, BCC00b, BFG10, CAWL17, GTS15, MCK12, MJ15, OPW12, SLN12, TSCA12, ZLP17]. NumaGiC [GTS15]. Number [BP99, HT08, WHDB05, CCL17, CBY18, Lan09]. Numeric [MLGW18]. Numerical [ACMR14, BS93, BCP97, CSW97, DHK97, DHP97, FK01, For95, FB94, HHI4, Hol95, Hus98, IFT95, KM10, Kha13, McD96, NHT02, PKYW95, TDBEE11, YKL17, AL92, Bo97, BCM16, CSW99, FP92, GS94, JK10, KB13, Nob98, NHT06, Pr14, SMAC08, SU96]. Numerically [BKML95, BFL1999]. nur [BL94]. Nutzung [GEW98]. NVIDIA [KME90, Seg10, VLMP18, XXL13, KKM15, Lan09]. NVRAM [MC18]. NX [Pie94, PR94a]. NY [IEE96f, PR94a]. O [Bos96, CFF19, DRUE12, IRU01, IBC10, LkLC06, MV17, MC18, MGC12, MG15, PS80, PR02, RK01, SBQ14, Tha98, Tsu07, WSN99, ZJDW18]. O2000 [CML04]. O2WebCL [CHKK15]. Oberammergau [BPG94]. Object [Ada97, BCFK99, CFKL00, FSMG17, MSL96, PD98, SLW91, YHGL01, YX95, Ada98, BR91, DM12, LKL96, OKM12, RFH95, SL94b, TDG13]. object-based [LKL96]. Object-Oriented [BCFK99, PD98, SWL10, Ada98, DM12, OKM12, RFH95]. Objects [KH15, MFC98, HS93, SOA11, SC95, YWO95, ZPLS96]. Oblivious [LZH17, LHZ18, UALK17, HSP13]. observations [ZKRA14]. observed [CAHT17]. Oceans [ACDR94, GN95, MC94, EM94, SHH94a, SHH94b]. Ocean [BS93, GAM20, Bic95, Mal01, Nes10, Sch99, Wal00]. OCLoptimizer [FAFD15]. OCM [BoFBW00]. OCM-Based [BoFBW00]. October [Ano93f, Ano94i, Ano94i, Ano94e, BPG94, Bha93, BDL96, CHD07, CGB10, DSM94, DLO03, DE91, FK95, GGC93, IEE94f, IEE95a, IEE95b, IEE96c, IFJ95, JB96, Kra02, Old02, OL05, Sch93, Sie92a, Sie92b, Tou96, USE00, UCW95, Vol93]. octree [JL18]. octree-based [JL18]. ODE [Ano97, Bra97]. ODEs [Pet97]. OdinMP [BB00]. OdinMP/CCp [BB00]. Off [CGS15]. Off-Line [CGS15]. Offering [EK97]. Official [Ano98]. Offload [BRU05]. Offloading [MGA17, DS16, KB16]. of [Role8a]. Oil [FSXZ14, ZAMF16]. OKs [Ano98]. old [LK14]. OMB [BWV12]. OMB-GPU [BWV12]. OMIS [LW97]. Omni [KSS00, KSH01]. OmniRPC [SHTS01]. OPT [SGJ03]. OMP2001 [TSB03]. OMP2012 [MBB12].OMPI [ACH11, OM96]. OpenMP [ABF17, PSB19, YAJG15]. on-chip [TDG13]. On-Demand [CTK00]. On-Line [BoFBWo0, Wis08]. On-the-fly [KS94]. ONC [RS93]. One [BPS01, GF03, GF05, GBH14, GT01, HDB12, LRT07, MH01, TGT05, TRH00, ZSG12, bT01a, DPFT19, DDB16, GBH18, LSK04, MS99c, Obs95, PGK10, dMAC11]. one-dimensional [Ols95]. one-layer [dMAC11]. One-Sided [BPS01, GF03, GF05, GT01, HDB12, LRT07, MH01,
TGT05, TRH00, ZSG12, bTO1a, DPFT19, DDB+16, LSK04, MS99c, PGK+10. only [LS10, Squ03]. Ontario [GGK+93]. onto [OFA+15]. OOMPI [MSL96]. OOPS [RFH+95]. OPAL [CwCW+11, NW98]. OPAL-MPI [NW98]. opaque [SOA11].

Open
[BGG+15, KDL+95b, WGG+19, AVA+16, KDL+95a, Nob08, GBS+07, VGRS16]. OpenACC [CGK+16, CCBPGA15, GML+16, GM18, HTJ+16, JCP15, KDHZ18, KLV15, Kom15, LB16, LSG12, MGS+15, OGM+19, OGM+16, QHCC17, RLFdS13, SCJH19, VGP+19, WLK+18]. OpenACC-based [KLV15].

OpenACC [ABDP15, APBcF16, ASAK19, AB13, BLPP13, BBC+19, BDW16, BN12, BHW+12, BBI+15, BAS13, CJPC19, CDD+13, CP15, CLOL18, CIJ+10, CHKK15, CCS19, CCK12, CS14, CLBS17, CBIGL19, DARG13, Di 14, DWL+10, DWL+12, FADF15, FLMR17, FE17, FSV14, FVLS15, dFdORS+19, GScFM13, GDMM17, HHS18, HD11, HE15, HHC+18, JSS+15, JKM+17, JR13, JNL+15, JMDVG+17, KKM15, KH12, KM10, KKL11, KSL+12, KJJ+16, KNH+18, KB13, KPK13, Lee12, LNK+15, LSG12, MGS+15, OGM+19, OGM+16, QHCC17, RLFdS13, SCJH19, VGP+19, WLK+18]. OpenACC-written [KNH+18]. openFabrics [FCS+19]. OpenGL
[Ano98, LHZ97, ORA12, Ró719]. OpenGL-Ró719. openMoxis [Slo05]. OpenMP [Cha05, CZG+08, CGKM11, CMMR12, EV01, JMS14, MdSC09, SHM+10, Vos03, OKM12, ST02a, ST02b, Add01, ARvW03, ABC+00, AC07, AHID12, AAB+17, AELGE16, ACMZR11, AT+12, ADT14, AJC12, Ano97, Ana01b, Ana03, AKE00, ADMV05, ADR+05, ASB18, AML+99, AGMI06, AM07, ACD+09, ABB+10, BST+13, BR02, BHP+03, BMF02, Ben18, BN00, BF01, BBDH14, BWV+12, BCC+00a, BCC+00b, BGK08, BGG+02, BS01, BS05, BBC+99, BBC+00, Br97, Bri00, BV03, BSd07, BGsd09, BFG+10, BGD12, BC00, BS07, BB00, BC196, BK00, BKK00, B001, BEG+10, BI18, CRE99, CEO1, Car07, CB00, CGLD01, CDK+01, CLYM16, CM09, CMZ99, CHPP01, CBPP01, Cha02, CM05, CkJdP08, CGKM11, CMRR12, CLA+19, Cla98, CyGy18, CCM+06, CCBPGA15, CC00b, Dab19, DM98, DW02, DBVF01, DGS17, HD02a].

OpenMP [DGH+19, DFA+07, DFA+09, ETWaM12, EM00a, EM00b, EV01, EdS08, FGRT00, FMSG17, FSG19a, FSG19b, FSZ14, FM09, GSA08, GP01, GSKM17, GG09, Goe02, GÁVRL17, GJM+00, GAML01, GOM+01, GAM+02, Gra09, HPP02, HP05, HDDD09, HA10, HO14, HD02b, HMK09, HAsn00, HKN+01, HAJK01, HVSC11, HLCZ00, HT01, HLC50, HEHC09, HIYC10, HHS19, HA+11, IMM+05, ICC02, IOK00, ITT02, JCP15, JKHK08, JPOJ12, JFY00, JJY+03, JCH+08, JHM+11, JLG05, JR10, KB01, KS15a, KO01, K01, KN17, KKH03, KT02, KJ14, KLR+15, KBVP07, KBG+09, KV01, KT01, KH15, KAC02, KC06, Kuh98, KPO00, KLM+19, KR13, KSS00, KSH01, KJEM12, LOHA01, LP00, LLRS02, LTS16, LD01, LME09, LLC13, LHC+07, LNW+12, LRLG19, LHCW05, LYSS+16, LA02, LA06,
LdSB19, LMRG14, LHZ98, LL01., OpenMP [LLH+14, MKC+12, MS02b, Mal01, MM07, MB12, Mar02, Mar03, MLC04, Mar05, Mar09, MPD04, MCB05, Mat00a, Mat00b, Mat01a, Mat03, MGG05, MGC12, MG15, MM11, MFG+08, MKV+01, MBE03, MRRP11, MMDA19, MMSW02, MKW11, MM14, MM07, MJ15, MJPB16, MCD+08, Mii10, Mii02, Mii03, MBB+12, NO02b, Nak05a, NIO+02, NIO+03, NEM17, NPP+00b, NPP+00c, NPP+00a, NPP+00d, NAAL01, NA01, NNON00, Nob08, NU05, NHT02, NHT06, OOS+08, OP10, OPW+12, PARB14, PPJ01, PVKE01, PK05, PZ12, PQR18, PG02, PKE+10, Qui03, Ran05, RDLQ12, RLVRGP12, RAA05, SSE12, SS+16, SHH10, SHT01, SK01, SLGZ99, SGG00, SPL+12, SHPT00, SSAS12, SK00, SB01, Stp02, Stp18, TCM18, TBS12, TS12a, TS02, TSS00T, TSS00a, THDS19, TScA12, TJPF12, Thr99, TBG+05, TGB+05, TGBS05]. OpenMP [VLSPL19, VDL+15, VPS17, VGS14, VGP+19, Vos03, Vre94, Wal00, Wal02, Wan02, WCC12, WC15, WMK+19, WPC07, WT11, WYL12, WT12, WLYC12, WT13, YKW+18, YHL11, YWC11, YKL14, YKLD17, YPAE09, YSMV+16, YSMA+17, YYW+12, YCA18, ZAT+07, ZSnH01, aMST07, dCZG06, vdP17, RM09, SSGF00, WCSS+13]. OpenMP* [KDT+12]. OpenMP-based [LNW+12].

OpenMP-like [BK00, BK00, KOB01, VGS14].

OpenMP-oriented [MLC04].

OpenMP-parallel [HHS19].

OpenMP-style [JPOJ12]. OpenMP/MPI [BEG+10, HMK09, LCL13, LYSS+16, MGG05, NO02b, Nak05a, SSB+16, SK00].

OpenSHMEM [HVA+16]. OpenTuner [BAG17]. OpenUH [HEHC09, LHC+07].

Operating [MMH98, RG097, USE94, Wil93, ARS89, Sei99]. operational [KOS+95a]. Operations [BIL99, BIC05, CCA00, FCLG07, FPY08, GFD05, GLB00, PSM+14, PGAB+05, TRG05, TGT05, WRA02, BMG07, DS13, HMS+19, IDS16, KMB+15, KMP+14, PGAB+07, PK095, SS99, TFZ912].

Operators [KK19, NHT02, NHT06]. opportunistic [CC10]. Opportunities [LB16]. optical [MRH+96]. Optimal [BP99, GAMR00, ZGN94, BB95a, ER12, PG07, PTL+16, Sur95a]. optimiertes [Sei99]. optimisation [AMuHK15].

Optimising [Boo01, FKH02]. Optimistic [SCL00, CXB+12, PY95]. Optimization [BSG00, BHNW01, DBA97, Goe02, HS12, Hus00, ITT02, KGK+03, KMB+15, LdSB19, MC17, MBS15, Mii01, NIO+02, NIO+03, PSSS01, SM03, Svl99, SWH15, TRG05, WTTH17, WJ12, Con93, DSO11, FCS+12, HWS09, KHS12, LMA13, MALM95, PP16, PS19, PPM95, SK01, SJP17, Str12, TMW17, TFZ912, VSW+13, Was96, XXL13].

Optimizations [NSLV16, SSE12, iSYS12, TSS00a, BVML12, HEHC09, LL16, MV17].

Optimize [BBW19, GV+18, GFS+18, WLYC12].

Optimized [AKL16, AMC+19, Bri02, FAFD15, MAIVA14, PM95, PTH+01a, THS+15, THDS19, WJB14, Bkhv+14, MMM13, Sei99]. optimizer [BHRS08, Rag96].

Optimizing [BGH+05, CXB+12, FMF15, KKP01, MBE03, NSZS13, OM96, SASS12, TGL02, TG05, GS02, LHC+07, RKBA+13].

Options [RR00]. Orange [ACM98b]. orbit [CF19, SSN94]. Order [BL95, DFN12, LZH18, KN17, KME09, KEGM10, KB13, MYB16, OGM+16, THDS19]. ordering [Zah12]. ordinary [NF04, RBB15, SP11].

Oregon [ACM99, IEE93e, SW01].

Organization [BPC94, JFGRF12]. Oriented [Ada97, BCFK99, FMSG17, MSL96, PD98, YHGL01, ZL18, Ada98, BR91, CJP19, CBIG19, DM12, MGC+15, OKM12, RFH+95, SWL+01, MLC04].

Origin [LL01, LSK04, ZSnH01].

Operating [MMH98, RG097, USE94, Wil93, ARS89, Sei99]. operational [KOS+95a].

Optimization [BSG00, BHNW01, DBA97, Goe02, HS12, Hus00, ITT02, KGK+03, KMB+15, LdSB19, MC17, MBS15, Mii01, NIO+02, NIO+03, PSSS01, SM03, Svl99, SWH15, TRG05, WTTH17, WJ12, Con93, DSO11, FCS+12, HWS09, KHS12, LMA13, MALM95, PP16, PS19, PPM95, SK01, SJP17, Str12, TMW17, TFZ912, VSW+13, Was96, XXL13].

Optimizations [NSLV16, SSE12, iSYS12, TSS00a, BVML12, HEHC09, LL16, MV17].

Optimize [BBW19, GV+18, GFS+18, WLYC12].

Optimized [AKL16, AMC+19, Bri02, FAFD15, MAIVA14, PM95, PTH+01a, THS+15, THDS19, WJB14, Bkhv+14, MMM13, Sei99]. optimizer [BHRS08, Rag96].

Optimizing [BGH+05, CXB+12, FMF15, KKP01, MBE03, NSZS13, OM96, SASS12, TGL02, TG05, GS02, LHC+07, RKBA+13].

Options [RR00]. Orange [ACM98b]. orbit [CF19, SSN94]. Order [BL95, DFN12, LZH18, KN17, KME09, KEGM10, KB13, MYB16, OGM+16, THDS19]. ordering [Zah12]. ordinary [NF04, RBB15, SP11].

Oregon [ACM99, IEE93e, SW01].

Organization [BPC94, JFGRF12]. Oriented [Ada97, BCFK99, FMSG17, MSL96, PD98, YHGL01, ZL18, Ada98, BR91, CJP19, CBIG19, DM12, MGC+15, OKM12, RFH+95, SWL+01, MLC04].

Origin [LL01, LSK04, ZSnH01].


Overlap [BR05, DCPJ12, DCPJ14, MLAV10, PSK08, SH14]. Overlapped [GPC+17].

Overlapping [KB01, kLCC+96, PKE+10, BBH+15, DJJ+19, MM13]. overlay [CXB+12]. overlay-based [CXB+12].

Overview [CFF+96, Gre95, GL95c, Zo93, GHZ12, GPL+96, HKH+19, Wer95].

Ownership [FHL+13]. Oxford [Boi97].

P [CAM12, WHDB05]. P-RnaPredict [WHDB05]. P03M [BJ93]. P2P [GR07, GGL+08, GJR09, RS19, SBG+02].

P2P-MPI [GGL+08, GJR09], P 4 [KS96, Mat94, Mat95]. PA [ACM04, Ham95a, ACM96c]. Pablo [BFMT96a, BFMT96b]. Pablo-based [BFMT96a, BFMT96b]. Pacific [IEE95c].

Package [BS93, KCP+94b, KOW97, LW95, OD01, SYF96, van97, BHW+92, BBH+15, CwCW+11, Gao03, KCP+94a, LFS93a, LFS93b, SL95]. Packet [MBES94]. Packets [Uhl94, Uhl95b]. PaCT [Mal95]. PaCT-95 [Mal95]. PACX [FGRD01, KR09, RBB97b].

PACX-MPI [KR09, RBB97b]. Page [CML04, NPP+00c]. pages [Ano95b, Ano95c, Ano96a, Ano99a, Ano99c, Ano99b, Ano99d, Ano00a, Ano00b]. Pagoda [YSS+17]. pairwise [AMHC11]. Palazzo [GT94]. PALLAS [KVH97]. Papers [BDB+13, OL05, TB14, ACM90, CHD09, DKD07, GT19, IEE93a, IEE95c, KKD03, MTW07, Old02, Ano93g, Cha05]. PARA [DW94, DMW96, Was96, CD96].

parabolized [SCC95]. ParaCells [SYL19].

ParADE [KKH03]. Paradigm [HIP02].

Paradigms [BGD12, CM98, HD02a, HD02b]. Paradyn [MHC94a, MHC94b]. Paragon [Ano96c, HWW97, MP95, PR94a]. Parallel [ACM95b, Ada97, ATC94, Agr95a, AMHC11, AGH+95, AS92, ADRTC98, AK99, AMBG93, ASA97, AL96, AP96, Ano95b, ACMR14, AB93a, AJF16, BHM94, BJ93, BBG+95, BCGL97, BFL99, BP99, BG95, BS93, BDG+91a, BKGS02, Ben01, BP98, Bha93, Bic95, BGK08, Bis04, BALU95, BCL00, BS00, BBG+99, BBC+00, BBG+01, BFZ97, BDL98, BDD+95, BDH+07, BT01b, BMS94b, BMPZ94a, BMF97, BKO00, BB12, BGL00, CGC+02, CHD07, Cee99, CDZ+98, CUC95, CDK+01, Cha02, CGB+10, CNC10, CFF+94, CSW97, CMH99, CPF95, CSM97, Coo95b, CT94a, CT94b, CC00b, Cze16, DSM94, DERC01, DYN+06, DK13, DDP+19, Di14, DI02, DAD19, DSS00, D+91, DKM+92, DGM93, DT94, DGH+99, DZDR95, DK06, DSC05, EKT09, EGR15, EM00a, EM00b, EGDK92, EJJ92, ES11, FGRD01, FHSO99, FJBB+00, FPP03].

Parallel [Fer98b, FHK01, dFOSR+19, Fis01, For95, FP92, FB94, FS93, FF95, GCBM97, GLN+08, GB+94, GKP97, GR07, GSH97, GSMK17, GDM18, GBP98, GHL97, GK10, GFP12, GJN97, Gre94, GL94, GL97a, GLS99, GlkLyc97, HJ98, HLP10, HO14, HK94, HK93, HK95, HHK94, HT01, HAA+11, IEE93b, IEE94a, IEE94f, IEE95h, IEE95f, IEE95g, IEE95j, IEE96b, IEE96c, IEE96g, IEE96e, IEE96d, IEE97b, IEE05, ITK90, IBC+10, IOK00, IDD94, IH04, IHM05, JAT97, JML01, JLG05, JON94, JRM+94, KFA96, Kan12, KDHZ18, KK02a,
KOI01, KNT02, Kat93, KBS04, Kep05, KmWH10, KR09, Kon00, KPK01, KMC96, KMC97, KS96, KKDV03, KKD04, KS01, KVV97, KHS01, Kuh98, KBG16, Kum94, Lad04, LTTD14, LTR00, LKD08, LSZL02, LTRA02, LHMM96, Li96, LZ97, LHZ97, kLCC +06, LO96, Lus90]. Parallel
[MSOGRO1, MS02b, MM92, MC18, MWG97, dLFMBdlFM02, Mar06, Mar07, MFTB95, MSCW95, Mat94, Mat95, MSM05, MBS15, MGC12, MG15, MRB17, MM11, Mic93, Mic95, MTWD06, MCLD01, MS95, MCdS +08, MBB +12, MSB97, NO02b, NO02a, Nak03, Nak05a, Nak05b, NSZS13, Nar95, NSS12, NAJ99, NJ01, Nov95, NMC95, Oed93, OP10, OLG01, On02, Ott93, OWSA95, Pac97, PPT96a, PVKE01, Pat93, PSZE00, PV97, Per99, Per96, PLR02, PWPD19, PKB +16, PBC +01, Quo3, RR00, RMB99, RBS94, Ree96, RS95, RC97, RSV +05, Rh600, Rol94, RWD09, RTL99, RLL01, SCP97, SPE95, SGZ00, Sch01, Sch96a, Sch96b, Seg10, Ser97, Sev98, She95, SSLMMW10, SM03, SP99, Sie94, Sie92a, Sie92b, Sin93, STV97, SWH15, Sou01, Sta95b, Ste94, SSN94, SG010, Str96, Str97]. Parallel
[Str94, SNMP10, Sun90a, Sun90b, Sun94a, Syd94, TMP16, TSS00b, TTP97, TC94, TCP15, TQDL01, THN00, TDBEE11, Tsu07, TVV96, Uh94h, Uh95b, Uh96, UCW95, VLO +08, VRS00, VB99, WH96, Wal01a, Wel94, WAS95b, WDBD05, WO97, WS99, WMC +18, WTR03, WT12, YM97, YHGL01, YH96, YPA94, YG96, YTH +12, YZPC95, YSL +12, ZTD19, ZB94, ZZ04, ZDR04, ZWJK05, ZAT +07, ZLS +15, ZZZ +15, ZG94, ZB97, van97, ACM97a, ARV903, APBcF16, ART17, AAAA16, AD98, AL92, ABF +17, ASCS95, ADT14, AD95, ACJ12, Ano93h, Ano95c, Ano00b, AD9B4, AV18, ADD9R5, AB93b, AFST95, AB13, AGIS94, ADMV05, ASB18, BHJ96, BB +94, BR91, BA06, BHS18, BB95a, BCAD06, BB93, BDG +92b, BB94, BPC94, Ben95, BvdSvD95, BKH +13, BAV08, BN00, BIR94, BCM +16, BKM95, Bos96, BFMR96]. Parallel
[MSOGR95, Bri95, Bru95, BDW97, BSH15, BB95b, CARB10, CL93, CGK11, Cav93, CLDJ +15, CLS07, CT13, CLYC16, CKWH96, Cha05, CJvdP08, Cha96, CGL +93, CECS07, CH94, CZ96, Che99, CJ +10, CS96, CS99, CCS19, Cla98, CEF +95, CDD +96, CdGM96, CBHH94, Coo95a, CCHW03, CLASPDP99, CFF +96, CPR +95, CD01, CDH +94, CKP +93, CB11, DMK19, DKF93, DKF94b, DR18, DLB94, DLRR99, DDS +94, DR94, DZH94, DM93, DREU12, DBBF01, DKD05, DvdLVS94, DXB96, DMW96, DLM99, DKP00, DLO03, Duv92, DZZY94, EASS95, EV01, FJ96, FF99, FM90, FO94, FSTG99, Fer98a, FMS15, FSC +12, FKK +96b, FM11, FHC +95, GG99, GCN +10, GGL +08, GFB95, GKD +18, GG09, GFB +14, GÁVRL17, GSM +00, GKS +11, GEW98, GKK90, GKF13a, Gra09, GP95, HHS18, HAM95b, HPY +93, HWS09]. Parallel
[He93, HPS +96, HZ94, HZ99, HPLT99, HDS +13, HVSH95, Hol95, HH95, HLOC96, HVSC11, HSHM19, HLO +16, IEE97a, IM95, JWB96, JC17, JY95, JMM +11, JC96, JMDVG +17, KCD +97, KHBS19, KOB01, KBP16, KN17, KO5 +95a, KL95, Kos95b, KSS +18, KRC17, KG93, KFSS94, Kra02, KKK +08, KTH10, LM99, LCL +12, LH98, LS01, LCVD94a, LGmDrA +19, LMM +15, Lou95, LG93, LM13, LL95, LC97b, LSR95, MMR99, MYB16, MMB +94, MZK93, MM95, MvWL99, MVR99, MK00, MN91, MHC94a, MRRP11, MALM95, MLA +14, MRH +96, MMH99, Mor95, MC99, MR96, MVVL +10, NSBR07, Neu94, NB96, NBGS08, NCKB12, NF94, OsSSP12, Ols95, Olu14, OW92, PHA10, PPT96b, PPT96c, PKB06, PBG +95, PNN01, PBK99, PPF89, PY95, PBPT95, PSLT99, PCS94, Ram07, RJC95, RBB15, Rol08b, RBB17, SJLM14]. Parallel
[SM12, SSKF95, SH94, Sch94, Sch99, SPK96,
SBF94, SWYC94, SK92, SCC96, SL00, SMAC08, SZ11, SPL99, SMS00, SVC+11, Smi93b, STT96, SH14, SRK+12, SLS96, Sta95a, Sti94, SMSW06, Sun95, Sur95a, Sur96, Swa01, SL95, TJD09, THDS19, TDB00, TGKL19, TMPJ01, Uhl99a, Uhl95c, Was96, Was95a, WK08a, WK08b, Wk08c, Wol92, WT11, WYLCl2, WLYC12, WMP14, YULTM+17, YHL11, YWC11, YBZL03, YYW+12, ZL06, ZWHS95, ZAFAM16, ZWL13, ZJWD18, ZWL+17, Pai93, STT96, SH14, SRK11, SLS96, Sta95a, Sti94, SMSW06, Sun95, Sur95a, Sur96, Swa01, SL95, TJD09, THDS19, TDB00, TGKL19, TMPJ01, Uhl95a, Uhl95c, Was96, Was95a, WK08a, WK08b, Wk08c, Wol92, WT11, WYLCl2, WLYC12, WMP14, YULTM+17, YHL11, YWC11, YBZL03, YYW+12, ZL06, ZWHS95, ZAFAM16, ZWL13, ZJWD18, ZWL+17, dH94, ARL94, Ano94e, Ano94f, ACDR94, BDLS96, BS94, BG94b, Bos99a, BCh99a, BCh99b, CC95, Cza13, DSM94, DHK97, DW94, EJL92, FR95, FF95, GN95, JPT94, JPP95, KKD05, Kum94, LK10, LkLC03, Mal95, MKP96, OKW95, PQ07, QRG95, SSSS96, SPE95, Stp02, TDBEE11, TGM90, Vre04, WN10, YC98].

Parallel [ZPLS96, ZDR91, ZHS99].

parallel-programming [KKJ08].

parallel/distributed [FHC95, Wan97].

parallelisation [GEW98].

parallel [HS96, H95].

Parallelism [SJ94, SJ95b].

Parallelisation [SJ94, SJ95b].

Parallel [CGC91, EdS08, EK97, FKKC96, GLP+00, GAM+02, GPC+17, DK02, K92, Mar03, MGA+17, MMS07, DSc09, RBA05, SHM+10, SML17, SGZ00, TCM18, TSY00, Th99, YPA90, AT9+12, AML+99, BK11, BR12, BS01, BS05, CCM12, GAM+00, HSP+13, HSE+17, HK09, J91, JPT97, Kos95b, OPP00, RKB+13, SLG99, SHPT00, THH+05, TFW009, W909, WFT014, WRSY16, YZ14, PGdCJ+18].

Parallelization [AL03, And98, AIM97, BCM11, BS07, CRE99, CP97, C93, Cza03, ET94, HA10, J91, Kik93, KLR+15, LP00, MB18, OD01, P96, QMR00, Rag96, RP95, RM99, RS97, SAS01, WPL95, WZWS08, WR01, aMST07, AGMJ06, BW12, BDY99, BJS99, CDD+96, FSG19a, Gao03, Goe02, IDS16, IJM+05, JL18, JJY+03, JMS14, KS15a, KD12, KRG13, MCB05, MGG95, MMAD19, N10, NEM17, OLG+16, Sp18, TWF009, VBLvdG08].

Parallelized [FBS01, OMK09, KMG99, OKM12].

parallelizer [BHRS08].

Parallelism [BST+13, Car07, GGH99, IO900, IKM+01, IM+02, SR95, ZZ95, AMS94, BY12].

Parallellatorcentrum [Eng00].

Parallizing [LRQ01].

parameter [HPLT99, JMDV+17].

parameterized [CT13].

Parameters [GFV99, BAG17].

Parametric [LLG12, Pat93].

Parallels [BL94].

Parallelism [CGC91, EdS08, EK97, FKKC96, GLP+00, GAM+02, GPC+17, DK02, K92, Mar03, MGA+17, MMS07, DSc09, RBA05, SHM+10, SML17, SGZ00, TCM18, TSY00, Th99, YPA90, AT9+12, AML+99, BK11, BR12, BS01, BS05, CCM12, GAM+00, HSP+13, HSE+17, HK09, J91, JPT97, Kos95b, OPP00, RKB+13, SLG99, SHPT00, THH+05, TFW009, W909, WFT014, WRSY16, YZ14, PGdCJ+18].

Parallelisation [SJ94, SJ95b].

Parallelism [CGC91, EdS08, EK97, FKKC96, GLP+00, GAM+02, GPC+17, DK02, K92, Mar03, MGA+17, MMS07, DSc09, RBA05, SHM+10, SML17, SGZ00, TCM18, TSY00, Th99, YPA90, AT9+12, AML+99, BK11, BR12, BS01, BS05, CCM12, GAM+00, HSP+13, HSE+17, HK09, J91, JPT97, Kos95b, OPP00, RKB+13, SLG99, SHPT00, THH+05, TFW009, W909, WFT014, WRSY16, YZ14, PGdCJ+18].

Parallelisation [SJ94, SJ95b].

Parallel [CGC91, EdS08, EK97, FKKC96, GLP+00, GAM+02, GPC+17, DK02, K92, Mar03, MGA+17, MMS07, DSc09, RBA05, SHM+10, SML17, SGZ00, TCM18, TSY00, Th99, YPA90, AT9+12, AML+99, BK11, BR12, BS01, BS05, CCM12, GAM+00, HSP+13, HSE+17, HK09, J91, JPT97, Kos95b, OPP00, RKB+13, SLG99, SHPT00, THH+05, TFW009, W909, WFT014, WRSY16, YZ14, PGdCJ+18].

Parallelization [AL03, And98, AIM97, BCM11, BS07, CRE99, CP97, C93, Cza03, ET94, HA10, J91, Kik93, KLR+15, LP00, MB18, OD01, P96, QMR00, Rag96, RP95, RM99, RS97, SAS01, WPL95, WZWS08, WR01, aMST07, AGMJ06, BW12, BDY99, BJS99, CDD+96, FSG19a, Gao03, Goe02, IDS16, IJM+05, JL18, JJY+03, JMS14, KS15a, KD12, KRG13, MCB05, MGG95, MMAD19, N10, NEM17, OLG+16, Sp18, TWF009, VBLvdG08].

Parallelized [FBS01, OMK09, KMG99, OKM12].

Parallelizer [BHRS08].

Parallelism [BST+13, Car07, GGH99, IO900, IKM+01, IM+02, SR95, ZZ95, AMS94, BY12].

Parallels [BL94].

Parallels [BL94].

Parallel [HS96, H95].

PARMACS [GR95, HZ96, HZ99].

PARMACS-to-MPI [H96].

ParNSS [HSMW94].

PARRAY [CCM12].

Parsytec [SHH94a, SHH94b].

Par [SL94a, IEE93c].

Paradise [LLG12, Pat93].

Paradigm [LLG12, Pat93].

Parsytec [SHH94a, SHH94b].

Par [SL94a, IEE93c].

PARRAY [CCM12].

Passing [AMHC11, Ano93d, AKL99, Att96, BC19a, BZ97, BC14, BBH+06, BBG+99, BBG+01, BRU05, BDH+95, BDH+97].
BGR97b, BFM97, CHD07, Cer99, CGH94, Cot97, Cot98, CTK00, Cot04, CDND11, DFKS01, DKD08, DHHW92, DHHW93a, DDL00, FKKC96, FKS96, FGT96, Fos98, FGG98, FB94, GR07, GB96, Gie93, GLRS01, GLS94, GLS95c, GLDS96, GLT99, GLS99, GLT00b, GLT00a, GL04, IBC+10, KTF03, KGRD10, KS97, KSV01, KKD03, KKD04, KKD05, LKD08, LK10, Luo99, MP98, MTSS94, MS98, SML96, MBES94, MG97, MTWD06, MSS97, NW98, PBK00, Pok96, PS01b, RRBL01, RWD09, RFG+00, SWHP05, SWL+01, ST02b, TGT05, TDB00, TDB12, WD96, Wer95, Wis97, YHGL01, ZG95a, ZG96, ZLL+12, Ada98, AD98, AAC+05, Ano93e, Ano94d, Ano95c, Ano00a, Ano00b, BL97, BvdSv95, Bjo95 passing [Bru95, BDW97, BFM99, CGJ+00, CDZ+98, CR99, CD01, DF93, DM93, DKD05, DS96b, DHHW93b, DOSW96, DLM99, DKP00, DLO03, FK94, FHB+13, GL92, HP05, HPY+93, Hem96, KJA+93, Kra92, LR06a, LBD+96, wL94, LCY96, LMM+15, LC97b, MP95, NS91, PS07, PKB06, Pl94, PR94a, PS00b, Sei99, SWJ95, SDV+95, SZ99, SSS95, St94, TSZ94, V95, Wal94a, Wal94b, ZW13, ZKR14, DiN96, GGHL+96, Han98, Hem94, RRHF96, SLG95, Wer95, YGH+14]. Past [Dar01].

Path [CGPR98, GAMR00, SDJ17, SLN+12, Zel95].

Path-based [SLN+12]. Pathway [CNM11].

PATOP [BFBW01]. Pattern [CSW12, CC17, JJPL17, RDMB99, MAS06, SLM14].

pattern-based [SJM14].

Pattern-Independent [CSW12].

Patterned [ST17]. Patterns [DMMV97, FPY08, KB98, MS05, PKB+16, RRAGM97, SG12, DZZY94, GÁVRL17, HGMW12, LGMdR+19, PM95, PSK+10].

PC [AH00, EKTB99, KS01, LKYS04, RLL01, Ste00, WLYC12, YST08, YL09, MMB+94].

PC-Cluster [RLL01]. PCAT [ACDR94, GN95]. PCAT-93 [ACDR94].


PCTE [HZ94]. PCTRAK [KHS01]. PDCS [YH96]. PDE [GBR15, NHT02, NHT06, NPS12]. PDES [PT01, SCL01, SCL04, H014, HHA95].

PDGC [CGB+10]. PDP [IEE96g]. Peer [GR07]. Peer-to-Peer [GR07]. PECLR [PQ07]. PEMPI [FB95]. PEMPIs [MOL05]. Pennsylvania [ACM96b, IEE94d].


Performance [ACM97b, ACM98a, ACM98b, ACM00, ACM01, ACM04, AC07, ATM01, AR01, An01a, An01b, ADR+05, Bak98, BBGL96, Ben18, BN00, BBDH14, BGG+02, BY12, BRM03, BRST94, BS07, BD98, BCKP00, BHNW01, BFMT96b, BFBR01, BEG+10, CGK+16, CDD+13, CRE99, CDJ95, CGLD01, CNM11, Che99, CSC96, CCBPA15, DMD08, DM95b, DW02, DZ98b, DPP01, DLW+10, DBK+09, EGH99, EGC02, EML98, EML00, FDO02a, FGT00, FCP+01, FSC+11, FST98b, FGKT97. GFD03, GKP96, GGS99, GBH99, GFS+18, GRRM99, GBS+07, GC50, GMdMB+07, GSY+13, HVA+16, HKN+01, Hol12, HF14a, HF14b, HPS95, Hus98, IEE92, IEE93c, IEE94g, IEE95k, IEE96a, IEE97c, IF995, IRR01, H+00, IADB19, JSS+15, JC17, JC+08, JS13, JL05, KDS01, KaM10, KL94, KH12, KBS04, KMB97, KKP01, KH15, KC06, KK02b, KHS01].

Performance [KSS00, LA01, LA+15, LWSB19, LCK11, LC97a, LB98, LGCH99, LN+15, LH98, LC93, LkLC+03, LWZ18, LN+12, LRLG19, LS10, LCW+03, IVP04, IVP14].
LWP04, LDCZ97, LZHY19, LC97b, LKYS04, MMB+94, MKP+96, MPD04, ME17, MGHM97, MGC12, MM02, MM03, MOL05, MS99a, MHC94b, MMSW02, MK04, MCLD01, MM99, MM14, MMS07, NSLV16, NW93, NPP+00d, NMS+14, NN95, OTK15, OF00, OLG01, PARB1, PK01, PJHM11, PZ12, PR94b, PFG97, PGAB+05, PGAB+07, PGCO2, PY95, PTH+01b, PS01b, QHC17, QB12, Rab98, RBB97a, RBB97c, RH01, RRAGM97, Ros13, RsT06, SGI+03, SPM+10, SLJ+14, SWHP05, SCP97, SEF+16, SPL+12, SCSL12, SM02, SM03, SSO97, SJ02, SSSS97, SC96b, SKH96, SJ+17a, SJK+17b, TSB02, TSB03, TTSY00, Ten95, Tha98, TGB+02, TGT10, Tră12b, TF1G92, TFZZ12, VFD02, VY02.

Performance [WZM17, WN10, WAS95b, Tra12b, TFGM02, TFZZ12, VFD02, VY02].

YWCF15, YSP, XXL13, YC98, Yan94, YWC11, YS93, YWCF15, YSP+05, ZLGS99, ZWJK05, ZHK06, ZSnH01, ARDP15, Ahm97, ADLL03a, ADLL03b, Ano03, AFST95, BDP+10, Ber96, BDV03, BFM96, BMFT96a, BFIM99, CRE01, CAHT17, CLYC16, CBPP02, CBM+08, CHKK15, DM95a, DL10, DO96, D+95, DWL+12, DE91, Dux92, EFR+05, ESB13, FAF16, FDD02, FE17, FSV14, FME+12, Fin97, GVT+18, GS02, GCC+07, GKF97, GR95, GHZ12, GML+16, GSM+00, GL96, GLDS96, GL97c, GL99, GWVP+14, HDDG09, HW11, Hasu00, HAJK01, HMS+19, HK10, HSVN11, HHA95, HG12, HeFo5, JHK09, JNM+11, JKN+13, KBP16, KKM15, KS13, LB+96, LTLC94, LFS+19, LC07, LBH12, LCY96, LB06, LL01, LKJ03, LSK04, MC17, MP95, MPCM15, MS+05, MSL12, MBA06, MHC94a, MSZG17, MJPB16, MGC+15.

Performance [NU05, NFG+10, OH110, Old02, PGs+13, PS19, PH+13, PG+10, PF05, PMZM16, PTV99, Rab99, RMS+18, RPS19, Reu03, RGD15, RJDH14, Sep93, SFO95, SWJ95, Slo05, SVC+11, SK00, SFLD15, TMC09, TSP95, TG90, THM+94, VDL+15, Wor96, YCL14, ZSK15, ZWL13, dAT17, HS95a, GH94, LCHS96, SSH08]. performance-aware [MSMC15], Performance-based [YWC11], Performance-Driven [LWSB19], Performance-Portable [JSS+15, DWL+10, DWL+12, FAF16], performance-prediction [BDV03], performance/cost [GWVP+14], performance/power [RPS19], Performances [GFV99, DS96b, IM94].

Performing [CC99], Peridynamic [MSZG17], Periscope [LG16], perishable [OGH19], Permutations [CC99, LTDD14], Persistent [Man01, SG12, HSM+19], Persistent-Sets [SG12], Personal [SSSS97], personalized [BHJ96], perspective [Sni18], perturbation [KN17], Perverse [Rol80a], PES [MK94], Pessimistic [BCH+03], petaflaps [LSG12], Petascale [CGK11, CBGY18, ZWL13, Glo01], Petersburg [Mal95], Petri [CMM11], PFSLib [LL95], PGAS [SWS+12, SJK+17a, SJK+17b], Phase [CBL10, ED94, TKP15, TG94, ZAFAM16], phase-field [TPK15], PHAT [BBC+19], Phi [BB18, CBGL19, DSGS17, MKT16, OTK15], Philadelphia [ACM96b], PhiTM [MMDA19], PHOENICS [SZBS95b, SZBS95a], Phoenix [ACM03, IEE95b, Ten95], Photo [JFGF12], Phylogenetic [MR12, LBH12], Physical [BM97, GJN97, GWVP+14], Physics [GT94, KH15, VV92, WBH97, ANS95, BPG94, DMW96], PIC [BDV03, HTJ+16, JL18], Picos [YÁJG+15], Pilot [OS97, CGG10], PINEAPL [DHK97], Pinhole [NH95], Pipe [MTU+15], Pipeline [GAMR00], Pipelined [GAML01], Pipelines [MAGR01, FWS+17, RKBA+13], pipelining [MM11], Pisa [Sil96].

Plasmafusionsforschung [BL94]. plasmas [CFF19]. Platform [BKG02, BB18, NO02b, PGF18, WTT17, BSH15, CB11, Cza13, DWL+10, DWL+12, HTJ+16, HHA95, JR13, NO02a, XLL13, YSL+12].

Platforms [AIM97, HD00, JML01, RVK19, ZB97, BBC+19, GCC+07, GFB+14, MBD13, TKP15, TS12b].


Pointers [LRT07]. Poisson [BP98, WJB14].

Poland [BDW97]. Polder [OS97]. Policies [CML04, PZ12, OHG19]. policy [MMM13].

Polling [DCP12, Pla02, DCP14, SH96].

Pollutant [RSV+05]. Pollution [AKK+94, BZ97, MPD04, MSML10, SH94, Syd94].

POLSYS_GLp [SMSW06].

Polygonization [TSP95]. polygons [CT13].

polyhedral [BHR07, KGB+09]. polymers [JAT97].

Polynomial [VY15, HLM+17, SMSW06]. port [CCH03, Har94, RJMC93].

Portability [KaM10, RS95, RH01, ABDP15, CGK+16, FE17, HHS18, MGC+15, PHW+13, QHC17, Reu03]. Portable [Ano95c, Ano00b, BHV12, BHL+95, CDH+94, DHK97, Di 14, FCL07, FLS08, GLS94, GL97a, GL99, JSS+15, LNLE00, Man98, MKV+01, MG97, PPT96a, PBC+01, SSC95, SBD+16, S194, T198, WCSS+13, YBMB14, An95, BCK+09, BFD94, BB00, BL99, BAS13, CJvdP08, CH94, CEI+95, DWL+10, DWL+12, FAF16, FWNK96, GR95, GL94, GS94, GLDS96, HTJ+16, HZ94, HSW+12, JCG96, KN95, LFS93a, LFS93b, LHC+07, MM+94, PPT96b, PPT96c, PMZ19, SLFL15, Sto98, VM95].

portal [AAS08]. portals [BS96b, BMR03]. Portfolio [SIS17]. Portfolio-driven [SIS17]. Porting [Ano96c, BSC99, BLW98, EM02, Har94, Har95, HASnP00, KCM+03, KMO9, SR95, YKL17, dCH93, BvdB94, HD11, MWO95, ZPLS96].

Portland [ACM99, ANS95, IEE93e, SW91]. Portugal [IEE93d, IEE96g]. Positron [Pat93].

POSIX [LD01]. Post [BBH+13b, Wit16, ABC+00]. Post-failure [BBH+13b]. Post-ISA [Wit16]. Poster [JPL17, LHZ17]. POSYBL [Mat94].


PPARDB/PVM [PPT96b, PPT96c]. PPPE [CDH+94]. PPSS [DSM94].

Practical [BJH96, BCP+97, CZG+08, RHG+96, TGBS05, AMS94, BHR08, LPD+11, MeK94, Pan95b, VVD+09].

Practice [ACM11, GN95]. Praktische [MS04]. Pre [AC17]. Pre-processor [AC17]. Precedence [EGR15].

Precedence-Constrained [EGR15].

Precise [FK+17]. Precision [Ano98, Kha13, ZC10, JPT14].

Preconditioned [GFPG12, ABF+17, MM92].

Preconditioner [BBS99, FSXZ14].

Preconditioners [Huc96].
Preconditioning [Nak03, GGC+07].
predictability [GRRM09]. Predicting [RRAGM97].

Predictive [FJK+17]. Preemptive [BBH+06, BBGL96].
Preface [DKD07, OL05]. Prefetching [BIC+10].
Prefix [WJ12, DK13, MYB16]. Preliminary [BF98, Wal01a, WLK+18, RJC95, RLFdS13, SWS+12].
PREMER [VBB18]. Preprocessors [Ano01a].
prescription [MRH+96]. Present [Dar01].
presented [ACM90]. preservation [IEE94c]. Preserving [RNPM13].
Primitives [DDL00, FST98a, ABDP15, CIJ+10, STP+19].
Princeton [Bha93]. principles [BSC99, HS12, SSP+94].
printing [YM97]. priority [DR95, Man98].
Prism [SDN99]. private [Str94].
privatization [KRG13]. Probabilistic [LAdS+15].
Probability [QRM96, Sta95b]. Problem [BSH15, DALD18, DAK98, GAMR00, ICC02, Lee06, MTSS94, RLVRGP12, ZSnH01, AB93b, DSM94, GM94, GKF13, HMKV94, IHH05, MM92, SL00, SP+12, Cza13].

Problems [ASA97, BHM94, BHM96, BM01, BPMN97, CGRPR98, EML98, HAA+11, DK02, LSM+18, MBS15, Nak03, Riz17, AL96, CEGS07, FR95, LSR95, NZZ94, OMK90, SC96a, SD99].
procedure [AGLv96]. Proceded [ACM94, ACM96c, ACM97a, ACM97b, ACM98b, ACM04, ACRD95, CJNW95, GN95, Hol12, IEE93f, IEE95d, IEE02, KG93, LCK11, MC94, R+92, SM07, Ten95, TG94, dGJM94, ACM96b, An094e, An094i, BPG94, Bo97, BH95, CLM+95, DSZ94, DE91, EJL92, FF95, GHH+93, HK95, HHK94, IEE94a, IEE94b, IEE94c, IEE95b, IEE95c, IEE96a, IEE97c, IEE05, JPTE94, Kum94, LF+93a, Li96, PSB+94, PBPT95, SPE95, SW91, WPH94, ACM90, ACM95a, ACM05, ACM06b, ACM06a, ATC94, Agr95a, AGH+95, AH95, An094, An094a, BBG+95, Bha93, CHD07, CZG+08, CGKM11, CMMR12, CGB+10, CDND11, DCM+92, DT94, DLO03, EV01, EdS08, ERS95, ERS96, Fer92, FK95, Gat95, GGK+93, GA96, GT94, Ham95a, HS94, HK93, IHE91, IHE92, IEE93d, IEE93c, IEE93b, IEE93e, IEE94d, IEE94f, IEE94h, IEE94g, IEE95h, IEE95k].
Proceedings [IEE95i, IEE95f, IEE95j, IEE95g, IEE95j, IEE96g, IEE96e, IEE96d, IEE96b, KGRD10, LKD08, MTWD06, MMH93, MCdS+08, MdSC09, Ost94, PR94b, Ree96, RWD09, SCR92, SHM+10, Sie94, TBD12, USE94, USE95, USE00, VW92, Vos03, Y+93, YH96, AD98, BG91, BDL96, BS94, Bos96, BFMR96, BDW97, CH96, CD01, DSM94, DDKD05, DW94, DMW96, DLM99, DPK00, Eng00, FR95, GH94, HAM95b, HS95a, IEE96c, IEE97a, Kra02, KKD04, LCH93, Ma95, PBG+95, Sch93, Tou96, VV95, Vol93, Was96].
Process [An93f, An94g, IEE96h, IEE97a, LHHM96].

Process [AUR01, BGL00, CLL03, DeP03, DK06, FDG97a, FDG97b, FD98, FP080, KCP+94b, KOW97, PS00a, SC04, ST97, Tra02a, BK11, BBGL96, CK99, FLD96, GL95a, HRR+11, HG12, JLS+14, KCP+94a, MLVS16, MK00, SHHC18, Ste96].
Process-Management [BGL00].
processed [HJ98]. Processes [CB16, MW98, Pet00a, Pet00b, FS95, GFIS+18, SPK+12].
Processing [ATC94, Agr95a, AR01, BBG+95, DCM+92, GGC+99, GGC+00, HHB+14, IEE93b, IEE93f, IEE95e, IEE95h, IEE95f, IEE95g, IEE96b, IEE96e, IEE96d, IEE97b, IEE95, IOK00, JDB+14, K0101, KS15b, LSVMW08, MLGW18, MC18, MSML10,
Nar95, NH95, NJ01, PLR02, PD98, Ree96, RRBL01, Rol94, SCP97, Sev98, Sie94, Sin93, VLO+08, WN10, AB95, Ano94f, ASB18, BJ13, BHS18, BFMR96, CFPS95, CLLASPD99, DSZ94, FWS+17, GDC15, GGGC99, Gre94, HAM95b, HPS+96, JC96, Kat93, Kum94, LHLK10, LG93, PSB+94, PPBT95, RKB+13, Rv00, RC99, SSS99, SLS96, VDL+15, Wol92, WWFT11.

Processor [HC06, Oed93, Ott94, PWP+16, RR02, Smi93a, SBT04, UALK17, ABDP15, AC17, DJJ19, DCH02, HCA8, LL01, MMDA19, OIS+06, RNPM13].

Processor-Oblivious [UALK17].

Processors [AJ97, Bri10, DDP+19, HK93, HK95, KmWH10, MJB15, OLG01, PZKK02, AV18, BBG+14, CBM+08, DDBG11, HTA08, HWX+13]. Producing [HAKJ01].

Producing [HAJK01].

Productivity [BS07, KaM10, Wit16].

Program [Ano96d, AB93a, BMS94b, CHPP01, Cot97, EML98, MM95, MK17, MRV00, Ney00, PS01b, TSY00, THN00, UTY02, CDZ+98, JF95, LP00, LLC13, OKM12, PPF89, Sai10, TN1B17, TMPJ01, ZL96]. programación [VP00]. Programmable [OA17].

Programmcode [BL94]. Programmer [Gua16, Wit16]. programmers [CGG10].

Programming [ACM90, Ada97, AGCR97, ASA97, ACJ12, Ano96b, BBG+10, BL93, BVH12, BF01, BBG+99, BBG+01, BK000, CMK00, CDK+01, CKmWH16, Cha02, CZG+08, CF01, Cza03, DM98, DARG13, LL00, DK06, DWL+10, EM00a, EM00b, FTB00, FWR+95, GLRS01, GLS94, GLS99, HA11, HDB+12, HDT+15, KKH03, Kep05, KP96, KmWH10, KV97, Lad04, La901, LLRS02, MSOR01, Mat94, Mat95, MSM05, MCIS+08, NO02b, SPM+10, SK10, SS01, SD99, SHH94b, ST02a, ST02b, SGS10, Stp02, TTP97, VT97, Vre04, Wal01a, Wal02, WO97, YM97, YHLK01, YCA18, ACGdT02, AMuK15, Ano00c, AB13, BJ13, BCA+06, BB94, BS96a, BKH+13, CPM+18, CLYC16, Cha05, CJvdP08, CE+95, CDH+94, CGH+14, DL+12, Duv92, EASS95, EV01, FSG99b, FB95, FB96, Fan98, FSTG99, Fer04, Fra95, FHB+13, FF95].

programming [GKZ12, Gei96, GBH14, GBH18, GRTZ10, HTA08, HS93, HZ94, HDB+13, HSVH95, HSW+14, HZG08, KDS012, KOB1, KSG13, KSL+12, KVL15, KPNM16, KFS94, KKK+08, LV12, LFS93a, LFS93b, LH98, LPD+11, LLH+14, MM+94, MVT96, MSP93, MC99, MGC+15, NO02a, Nak05a, NYNT12, NBGS08, OIS+06, Ohi14, OW92, Pac97, PVK10, PF05, Qui03, RJ1D14, STP+19, iSYS12, SSKF95, SYR+09, Seg10, SPK96, SBF94, SRL99, SHH94a, SD99, VP00, Vos3, Wang01b, Wan02, WCC+07, WAD09, WYLC12, WYLC12, YHL11, YWC11, YX95, YS93, ZGC94, DR94, HSE+17, Che10, SD13].

Programs [AJF16, Beg93b, BKdSH01, BCGK08, BGG+02, DL98, BGL00, CWW12, CRE99, CHPP01, CD98, DLB07, DMM97, D+14, FKH02, FJ+17, GR07, GTH96, GL04, GC05, HC01, HKN+01, HM01, JLG05, KFL05, KL94, KS14, KKV01, KS10, L09, MVY95, MLO05, MBE03, MKW11, MCLD01, MJB15, NSZS13, NE98, NE01, NPP+00d, OMS96, PPJ01, RH01, RFG+00, SGO0, SBF+04, SR96, TGB00, Wel94, Wis97, ZLL+12, Beg92, Beg93c, Beg93a, BCK+09, BMS03, CRE01, CLi15, CGL+93, CH94, CRM14, CFP96, DFK93, DFK94b, EP96, EPP+17, FSG99a, FLB+05, FKB00, GGH99, GRRM99, GKS+11, GB94,
HD11, HZ96, HLOC96, HEHC09, KCD+97, KS13, KO14, Kom15, KLM+99, LGKQ10, LLG12, LL16, LBB+16, LYSS+16, LMM+15, LZC+02, LCC+03, MT96, MsSAS+18, Mor95, NBK99, Ohe96, OdSSP12, PES99.

**Programs** [PAdS+17, RAS16, Reu03, RRG+99, SSB+16, SSV10, SMAC08, SZ11, SR95, SY95, SC96b, TMW17, THH+05, TGD919, UGT09, VVD+09, YSVM+16, YSY+12, ZJDW18, ZRQA11].

**Progress** [BRU05, LAdS+15, SPH+18, DFA+09, ZKRA14].

**Progress-Dependence** [LAdS+15].

**Project** [BHK+06, BSH15, DHK97, MRV00, ABC+00, CDH+94].

**Promise** [Ano93f].

**Promotion** [OCY+15, WBBD15].

**Propagation** [EMO+93, ESM+94, JML01, SMOE93, ASAK19, KEGM10, RMNN+12].

**Properties** [FGRT00, JL18, MS96b, SSP+94].

**Proposal** [DHHW92, DHHW93a, DFC+07, DFA+09, ZKRA14].

**Proposals** [Wal96b].

**Protected** [GHD12].

**Protein** [RGB+18, GÁVRR+17, SEC15, ZAT+07].

**Proteins** [BHW+12, BBH+15, FMS15].

**Protocol** [CAWL17, GS+13, JK11, LMM+15, RA99, XF95, BDB+13, CwCW+11, DDM99, MN91, MB00, ZPI+06].

**Protocol-based** [LMM+15].

**Protocols** [BCH+08, DM93, LH98].

**Protoplanetary** [dIFMBdF+02].

**Prototype** [Ano01b, FHP+94, MMSW2, BK96, CCF+94, KLYL03, KLYL05].

**Prototyping** [SXMX+18, Spe19].

**Provide** [Add01, LMRG14].

**Provides** [Ano98, Nel93].

**Providing** [GKP97, Zahn12].

**Proving** [MS96b].

**PRS** [UCW95].

**Pruned** [dIFM+98, GPD+97, Zahn12].

**Pruning** [PMM+16].

**PS** [AMV94].

**Pseudo** [Wal01a, Lan09].

**Pseudo-search** [Wal01a].

**Pseudorandom** [WHDB05].

**Pseudospectra** [BKGS02].

**Pseudospectral** [Bri95, MRRP11].

**PSPVM** [BWT96].

**Pthread** [ZAT+07].

**Pthreads** [AS14, TS12b].
HPS+96, Hem96, HEH98, HTHD99, HVSH95, HH95, HRSA97, Huc96, Hum95, HS95b.

PVM [ITT99, IvdlH+00, IDD94, IKM+01, IKM+02, JAT97, JH97, JML01, JW96, JC96, KBA02, Kat93, KK98, KP96, KMB97, KDL+95a, KDL+95b, KG96, KCP+94a, KCP+94b, KOW97, KMC96, KS96, KZCS96, KS97, KV98, KAHS96, KK02b, LG90, LH98, LSZL02, LHCT96, wL94, LFS92, LFS93a, LFS93b, LH95, LHZ97, LKL96, LDCZ97, MV98, Man94, MVTP96, Man01, MP95, dIpmBdIpm02, MTSS97, MFTB95, MSP93, Mat94, Mat95, MMU99, Mat01b, MRV00, MK97, MK98, MC98, MF9C8, MV95, MS96b, Mic93, Mic95, MT96, MS99a, MS99b, MH9C4a, MH9C4b, MRH+96, MS95, MC99, MWO95, Ne93, NP94, Ne94, NKK94, NKK95, NS96, NA99, Nov95, Ob96, OS95, OP90, Ott94, OWS95, PPR01, PK98, PPT96b, PPT96a, PPT96c, POL99, PT01, PKYW95].

PVM [Per96, Pet97, PTT94, Pla02, PN90, PD98, PY95, PL96, Pus95, QR9G5, QRMG96, Qu95, QMG90, RR90, RS93, Rag96, RS95, RHG+96, RRAGM97, Rol94, RGD97, Saa94, SAS01, Sch94, Sch96a, Sch96b, SB95, SFG98, SGS95, SSS99, SP96, Sep93, Sev98, Shi94, SA93, SR96, SHH94a, SHH94b, Smi94, SBR95, SC96a, STT96, SMOE93, SGL+90, SGH91, SCL97, SSS97, Sta95b, SY95, SY96, SC96b, Str94, SKH96, Sun90a, Sun90b, Sun92, Sun93, Sun94a, SGD94, Sun96, STM97, SN01, SCL00, Sur95b, Sut96, SL95, TM96, TC94, TD96, TD98, Tsu95, Uhl94, Uhl95b, UH96, UM97, VSR94, VSR95, VB99, VAT95, WKS96, WH94, WCSR96, WSA95b, WO97, Wis96a, WI96a, Wis98, Wis96b, WI96b, WCSS99, Wn99, WLC07, XWZ96, XF95, YG96, YKI+96, ZPL9S96].

PVM [TZ90, ZB94, Zem94, ZDR01, ZG95a, ZG95b, ZG96, ZG98, Zol93, van93, NMC95, Ano95b].

PVM-AMBER [SL95].

PVM-Based [WAG95b, FO94, PY95, SAT96, ZPL9S96, LSL92, TD98].

PVM-GRACE [YKI+96].

PVM-Implementation [BJS97, Huc96].

PVM-RPC [KS97].

PVM/C [GTH96].

PVM/mpi [AD98, BDW97, CHD07, CHD09, CD91, DLM99, DLP90, KKD04, LKD08, MTK96, NAG97, AG97, SN01].

PVMP [FD96, FDG97a, FDG97b].

PyCUDA [KPL+12].

PyOpenCL [KPL+12].

pySDC [Spe19].

pySDC-Prototyping [Spe19].

Python [BL97, DPS95, DPD98, Di14, GFB+14, SSH08].

PyTrilinos [SSH08].

Q [KMH+14, LM13, MV17].

QAPs [Tsu12].

QCD [BLPP13, GM18, SVC+11].

QCG [ACH+11].

QCG-OMPI [ACH+11].

QC MPI [TJD09].

QR [GKK90, LC97b].

QSATS [Hi11].

Quadratic [Cza13].

Quadracics [YS9+05, LCW+03].

quadtree [HS95b, PGBF+07, SCC96, SV95b].

qualified [BLP93].

Quality [Boi97, BDA+18, RFG+00, WDD95, Ano94i, Lan09, Boi97].

Quality-of-Service [RFG+00].

Quantifying [AKE00, LDCZ97].

quantitative [BL93, BBH+15].

quantization [HE15].

Quantum [BCGL97, BCL00, GRTZ10, HIN11, MGG05, NMW93, SK00, SSGF00, TJD09, WHMO19].

Quasi [DDMY99, Pla02, ZB97].

Quasi-asynchronous [DDMY99].

Quasi-Newton [ZB97].

Queens [RPL08].

Queensland [ACD94].

Query [AR01].

Quest [MWG97].

Queue [NSS12, CG99b, PTL+16, Sep93, ZA14].

queues [Man98].

quicksort [MMO+16, MMO+16].

R [BBH12, JPOJ12, LR01].

R&D [Str94].

R&D-100 [Str94].

Race
[CFMR95, KSJ14, DKF94a, PGD18]. Races [PPJ01, SAL+]17, DKF94b, LLG12, ZRAQ11, EPP+]17. Radial [RB01, KRC17].
Radiance [GCBM97, KMG99, RC97].
radiation [SCJH19]. Radiology [GA96].
Rajeev [A990a]. Raleigh [Agr95a].
Ramesh [Stp02]. Random
[HT08, LTTD14, CCS19, Lan09].
Randomized [Tra98]. Range
[KBM97, MH01, BMPZ94a, PARB14, She95].
range-join [She95]. Rank [Hat98].
RASC [YCL14]. rate [BBG+]14, YPA94].
racionale [BBH+]13b. Ray [CG93, DP94, KGB+09, FWS+]17, SGS95, FFB99].
Ray-Tracing [DP94]. Rayleigh [TVV96].
Rayleigh-Benard [TVV96]. rCUDA
[CPM+]18, PRS16, RSC+]15, RPS19, RS19, SIRP17].
RDMA [GSY+]13, LWP04, Pan14, RA90].
RDMA-Based [LWP04].
RDMA-Enabled [GSY+]13, Pan14, RA90].
Re [MCP17]. Re-Vectorization [MCP17].
Reaching [BHS+]02. Reaction
[HF14a, HF14b]. Reactive [BCL00, Heb93].
reactor [ANS95]. Read [SSLMW10].
readability [SM12]. Reading [HK95].
Ready [Bri02, DZ09b]. Ready-Mode
[Bri02]. Real [ASB18, LHLK10, NSLV16, Tho94, UP01, YGH+]14, Ano94f, Fer04,
FLB+]05, JR10, ZWZ+]95, SKD+]04].
Real-World [NSLV16]. Realistic
[YMY11, ZShH01, CKP+]03]. Reality
[ACM96a, Ano93f, NM95, Wit16]. realizing
rebooting [GJTL11]. Receive [Bri02].
Receiver [ZG95b]. receptor [ESB13].
Rechnen [Ano94c, BL94, MS04].
Recognition [CC17]. recomputation
[RKBA+]13. Reconfigurable
[MFC98, SPM+]10, ZL18, NYNT12].
Reconfiguration [CS14, MSMC15].

Reconstruction [BM97, DYN+]06, GA96, LSSZ15, OIH10, RAGJ95]. Record
[UALK17, CRD99]. Record&Replay
[KSV01]. record/replay [CRD99].
Recovery [SBF+]04, BBH+]13b, BDB+]13, LFS93a, LFS93b, SSC95, SRS+]19, ZWZ05].
Rectangle [CSW99]. rectified [WBB15].
Recurrences [ACGR97, MB18]. Recursive
[DSS00, PWP+]16, SD99]. Red [van93].
redesign [HL17]. Redistribution
[DDPR97, HC06, WO95, WO96, HC08, KN95]. Reduce [PSM+]14. Reduced
[SW12]. Reducing
[AV18, CRGM16, JE95, BCM11].
Reduction
[DAD19, FKH02, MFPP03, SG12, HL17,
Jes93a, MLVS16, Pan95a, PQ07].
Reductions [PWP19]. Redundancy
[TS12a]. redundant [KJJ+]16]. Reference
[GHLL+]98, Nag05, SOHL+]98, YM97,
Ano99a, Ano99c, Ano99d, SOHL+]96, Per97, Ano96a]. Refinement
[MRB17, Ran05, CLSP07, DLR94]. regions
[LFL11]. regression [RBA17]. Regular
[HLPL1, NHT02, NHT06]. Reims
[MCdS+]08]. RELAP5 [SBR95]. related
[SD16]. Relating [EPML99]. relation
[DO96, Hem96]. Relationship [Dan12].
relativistic [BHS18]. relaxation [OKW95].
Reliability [CGZQ13]. Reliable
[SE02, Arn95]. Remark [SW15].
remedies [ALW+]15. Remo [IEE95h].
Remote [BMR01, HDT+]15, IFA+]16,
OCY+]15, Tso7, WBB15, AGLV96,
CPM+]18, FHC+]95, GBH14, GBH18,
HGM12, RSC+]15, IRP17, SH96].
Remote-Scope [OCY+]15, WBB15].
Remotely [GCGM99, GGC99]. GCGS98,
removal [ZZZ+]15. Removing [ZJWD18].
Rendering
[DLLZ19, GCBM97, LSZL02, SU96, UCW95].
Rendezvous [RA09]. Reordering [Hat98].
Reparallelization [KBG+]09]. Repeated

[58]
Replacement [GHD12].

Replay [CFMR95, HLOCG96, UALK17, CRD99, MT96, NDK99, XLW+09].

replay-based [MT96]. Replication [WC09, KJJ+16, ZJDW18].


Representation [BMR01, KD12, SML17, CCM12]. reproduce [AVA+16]. Reproducible [GL99, HCA16, XLW+09]. Requirements [GSHL02, GT07, Ber96, KBG16, LCVD94a].

Research [Ano96d, BR95c, DHS96, VDL+15]. retargetable [KKJ+08]. rethinking [GJLT11]. Retrieval [JDB+14].

Resilient [CGH+14, Gua16, LMCG17, LMG17, LBB+19, MLVS16]. Resistive [ZL17]. Resolution [MAB01, Str94, BADC07, KN17].

Resolving [GMM16]. Resource [BGR97b, BSH15, KK98, SIS17, YSS+17, DZ96, FLD96, NEM17, ZA14].

resource-conscious [ZA14]. resource-restricted [NEM17]. Resources [LSB15, NAW+96, Kos95b, RSC+19, R+92].

Response [BBC+00]. Restart [SSB+05, AKB+19, LMG17]. restarted [dH94]. Restoration [FJSB+00]. Restore [Gua16]. restricted [NEM17].

Restructuring [KAMAMA17]. Results [BIL99, BIC05, HSMW94, Wal01a, BR95c, DVS96, VDL+16]. retargetable [KKJ+08].


[BKG08, HHSM19, LBS15, LM13, QHCC17]. Reverse-mode [HSSM19]. Review [Ano95b, Ano95c, Ano96a, Ano99a, Ano99b, Ano99d, Ano00a, Ano00b, BDL98, Che10, Mar06, MCLD01, Nag05, NMC95, Per96, Per97, SD13, Vre04, Stp02, Vog13].

Reviews [Ano97, Bra97, YM97]. Revised
Runtimes [AHHP17]. Russia [Mal95].
RWA [RLVRGP12].

S [AHHP17, Röh00]. S-Caffe [AHHP17].
S-language [Röh00]. S1 [GLT00b]. S3D [LSG12]. Safe [Pla02, GCC99, LFS92, LFS93a, LFS93b, NYNT12]. Safety [CLA+19, GT07]. salesman [GM94]. Salt [Hol12].
San [ACM97b, Ano95d, BBG+95, GE95, GE96, Has95, IEE93a, IEE94g, IEE95b, IEE95e, IF93a, NM95].
Sanders [Che10]. Sandy [VDL+15]. Santa [ACM95b, AH95, IEE95f, Old02]. Santorini [CD01, CDND11]. Santorini/Thera [CD01].
Saphir [Ano99c, Ano99d]. SAR [AB95]. Satellite [Uhl94, Uhl95b, SSN94].
Satisfiability [IKM+01, IKM+02]. saturated [TOC18]. Saturday [B+05].
Saturday-Wednesday [B+05]. Save [KFL05, FKL08]. SBS [MSB97, WWZ+96].
SBS-Type [MSB97]. SC'11 [LCK11].
Scalability [Ben18, BS07, FSC+11, KBS04, LL01, LKYS04, LSK04, VLSP19]. Scalable [Add01, AHHP17, BHW+17, BBC+02, BHNW01, BGL00, CG5D03, EFR+05, GFB+14, GS94, HGMW12, IEE92, IEE94f, IEE95j, IBC+10, KTAB+19, KK98, LTS16, kLCC+06, MFPP03, NBGS08, NPP+00d, NCKB12, NSM12, OL5G01, PPJ01, PR94b, PBK00, SDJ17, SBF+04, Skj93, SS96, TPD15, UP01, VBLvdG08, VY92, ZLGS99, ZL18, BBB+94, Bri95, CLSP07, FWS+17, GBH14, GBH18, GM13, GKL95, HRR+11, HAJK01, KRC17, KRG13, LM99, LTLC94, MMB+94, MRRP11, PWD+12, SPK+12, Trä12a]. ScaLAPACK [BV99, BRR99, DHP97].
Scale [AKE00, AFGR18, BHW+17, BZ97, BHNW01, FFP03, MFPP03, SM03, TGM09, WMC+18, WT12, AASB08, BCA+06, BJS99, BCH+08, Che99, DZZY94, FME+12, Gua16, Kos95b, LS10, MLA+14, PTL+16, PD11, RMNM+12, SIC+19, SvL99, TBB12, WLNLO6, WT11, WT13, ZKRA14, ZA14, Ben18]. SCALE-EA [Ben18].
Scale-Out [AFGR18]. Scale-Up [AFGR18]. SCALEA [TFGM02]. Scaling [CC17, KFL05, SLJ+14, FKL08, Gao03, LFL11, PDY14]. scan [AAAA16, YLZ13].
scanline [CT13]. scans [NA199]. SCASH [SHHH01]. SCATCI [ART17]. scatter [BCD96, MTK16]. Scattering [BCL00, NZZ94, OMK99]. SCF [MM95].
schedule [NAAL01]. scheduler [ADDR95, TCBV10, WRSY16]. schedulers [AV18, NP12]. Scheduling [BBH+06, BSH15, CML04, DMB16, EGR15, GDDM17, GSHL02, GHL97, HC06, JW96, MBJ15, NIO+02, NIO+03, TJP12, APfC16, DZ98a, JKN+13, LHCT96, MBKM12, NSBR07, OPW+12, Smi93b, SKK+12, SKB+14, WYLC12, WYLC12, WYCC11].
Scheme [CTK01, LNLE00, MW98, SBF+04, BBGL96, Bjo95, MRRP11, OKM12, SCC96, YPZC95, FM90].
Schemes [PPJ01, WYLC12, WYLC12, ZAT+07].
Schmidt [CBY18]. School [VV95].
Schrödinger [DM12, ON12]. SCI [FS07, HEH98, Hus00, RR01, ZHS99].
SCIDDE [ABG+96, AGL19].
SCIDDE-PVM [ABG+96]. Science [EGH+14, IEE95d, MM93, Old02, SM07, ACM06a, DMW96, HK93].
Sciences [ERS96, HS94, ZL96, ERS95]. Scientific [AGH+95, APJ+16, BBG+95, DDM92, DT94, Gat95, GL97a, HJ98, KK02a, LWSB19, LkLC+03, Mar06, Nan05, Sin93, SSB+17, VV92, WN10, Bis04, DW94, SBG+12, SIC+19, TBB12, WT13, Ano97, Bra97].
scientists [HW11, Str94]. SciPAL [KH15].
SCIPVM [ZHS99]. Scope [OCY+15, BDB+13, WBD15]. scoping [RDLQ12, WC15]. Scottsdale [IEE95b].
Scratchpad [JAK17, MB12]. Scripting
[Ong02, KPL+12, Nob08]. scripting-based
[KPL+12]. SCTP [KWP05, ZP06]. SDK
[Tk16]. SDSM [CCM+06]. Seamless
[KK02a, LdSB19]. Search
[Bsh15, Cza13, IkM+01, Wal01b, Wts19,
FMs15, IkM+02, Wal01a, Zsk15, CB11].
Searches [BSG00]. Searching
[JpT14, Mm01, Ba06, Wal01b]. Seattle
[ACM05, BS94, Lck11, Ost94]. Second
[An00b, Bl95, DTr94, De91, IEE94d,
IEE96d, IEE96i, Lhhm96, Tou96, Vol93,
Wph94, AcM97a, An99a, An099b,
BfMr96, DmW96, Fr95, Kn17, Li96].
Second-Order [Bl95, Kn17]. Secondary
[Whd05, Sc15, Zat+07]. section
[An93b, Dk08]. segment [Fjz+14],
segment-based [Fjz+14]. Segmentation
[Kb02a, Ad95, Ccu95]. Seidel
[Bg95, Lm99, Ol95]. seismic
[AmB93, Kl95, Keg10, Lm13,
Qhcc17, Rmn14+12, Ss09, Wcvr96].
Seismograms [Dp94]. Select [Kkd03].
Selected [Dhs96, MtW07, Ol05, Tb14,
Chd09, Cha05, Dkd07, Jc17]. selecting
[Pt16+16]. Selection [KmnWh16, Snn+19,
PgBf+07, Wks96, Zwl+17]. Selective
[Nak03]. Self
[NsS12, Slj+14, Tgt10, Vfd02, Nsb07,
Wylc12, Wlyc12, Wyc11].
Self-Consistent [Tgt10]. self-scheduling
[Nsb07, Wylc12, Wlyc12, Wyc11].
Self-Submitting [NsS12]. Self-Tuning
[Slj+14]. Semantic
[EadT19, MtU+15, Dkf94a, Oa17].
Semantically [Mkw11]. semantics
[Rnmp13]. Semaphores [TtP97]. Semi
[CT94a, Bjo95, PsLt99, Tc94, Ct94b].
semi-coarsening [PsLt99]. semi-implicit
[Bj05]. Semi-Lagrangian
[CT94a, TC94, CT94b]. Semiconductor
[GjN97, An003, Ls10]. Seminar
[An94f, An93h]. Send [Gpc+17]. Sender
[Bch+03]. Sensed [GgcM99, GgcG001,
GcGs98, Vlo+08, GgcC99]. sensitive
[GkCf13]. Sensitivity [dlr04]. Separable
[Ben01, CdmG96]. September
[Abv96, Ad98, An93a, An93b, An95a,
Bos96, Bp93, Bh95, Clm+95, ChD07,
CjnW95, Cd01, CndN11, Dkd05, Dkd07,
Dlm99, Dkp00, Dlo03, Ejl92, Fk95,
Fr95, Ghh+93, Iee93d, Iee94c, Jpte94,
Kgrd10, Krr02, Kkd04, Lkd08, M015,
Mttwd06, Ol05, Psb+94, Rw09, Spf95,
Sm07, Tbd12, Vv95, Vw92, Wph94, Yh96].
Sequence
[Gmu95, Smm+16, Amh11, Tszc94].
sequences
[dFOSR+19, GavrRl17, Sdm10].
Sequencing [VpS17]. Sequential [Ek97,
Rpm+08, Ggh99, Sr95, Tnb17, Tszc94].
Serial [Swh15, Hps+96, Hws09].
serialization [CfKl00]. Serialized [Kh10].
Series [Bl94]. Series [Nag05, Br94].
Server [An93f, Afgf18, FlsL98, Ks97,
Mat01b, Sch93, Sto98, Vis95]. Server-Class
[Afgf18]. Servers
[CGC+02, Sis17, Gk97]. Service
[Rfg+00, Ls08, Spk+12]. Services
[Fc05, Aac+05, ZkrA14]. Session
[Nynt12, Zl96]. Set [Bda+18, Sw12,
Wl96a, An00a, An00b, She95, Wl96b].
Sets [Sgl12, Cgl+93]. setting [Gl95a].
Setup [NsL16]. Seventh [Bbg+95, Hs94,
Iee93b, Iee95g, Iee96h, Eng00, Y93].
several [Gbr15]. Sgi
[Che99, Cml04, Kmg99, Lb96, Ll01,
LkJ03, Lsk04, Tw12, ZsnH01].
Sgi/Cray [Che99]. Sgi/Cray-T3e
[Che99]. Shadow [SoA11]. Shallow
[dAMc11, dAMcFn12]. Shane [SD13].
Shanghai [IEEE97a]. Share
[An92, An93f, An94g]. Shared
[Bca+06, Bme10, Br10, Dm98, Dmb16,
Fkh02, Fb94, Gb96, GlrS01, Hc10,
Hdb+12, Hto1, Kb98, KshS01, Lrt07,
Lu09, Mbe03, McDs+08, Mi102, Npp+00d,
Pbk00, Pok96, Ps00b, Ros13, Sso1, Sty99,
St02b, Th99, Vs00, Vt97, Abc195a,
ABCI95b, ADMV05, BMG07, CBPP02, CjvdP08, Cha96, CCM°06, CC°0b, DBVF01, DS96b, DPZ97, EV01, GCN°10, GL96, GL97c, HS93, HDB°13, JE95, KJA°93, KC06, LKL96, MLC04, PK05, RGDM15, SHH01, SL94b, SFL°94, SSC96, TS99, TSY°00, THDS19, Vos03, WMRR17, WRMR19, YWO95, YX95, Cha05.

**Shared-Memory**

[DM98, HDB°12, NPP°00d, Pok96, Thr99, PS00b, ABCI95a, ABCI95b, BMG07, GL96, GL97c, KJA°93, PK05, TSY°00].

**shared/distributed**

[THDS19].

**shear**

[Att96, CML04, CB16, DiN96, JAK17, KK98, JE95, Ott93, PRS°14].

**shearLab**

[KL16].

**Shearlets**

[KLR16].

**SHMEM**

[BBDH14, Hus01, LSK04, Sch96a, Sch96b, SS01].

**Short**

[KBM97, MH01, SSLMW10, BMPZ94b, PARB14].

**Short-Range**

[KBM97, MH01, BMPZ94b, PARB14].

**Short-Read**

[SSLMW10].

**Showcase**

[USE00].

**SHPCC**

[IEE92].

**SHPCC-92**

[IEE92].

**SIAM**

[BBG°95, DKM°92, Sin93].

**Side**

[kLCWW07].

**Sided**

[BPS01, GFD03, GFD05, GT01, HDB°12, LRT07, MH01, MB00, TGT05, TRH00, ZSG12, bT01a, BM00, DPF19, DB°16, GB18, LSK04, MS99c, PGK°10, GB18].

**SIGCSE**

[ACM06a].

**Signal**

[IEE95e].

**signals**

[Uhl95c].

**Signatures**

[Gro00].

**significance**

[AMHC11].

**silent**

[FME°12].

**silicon**

[Ano03, Goe02, ZL18].

**Silicon-Monona**

[ZL18].

**SIMD**

[BvdB94, HS95b, KDT°12, LL16, Ser95b, VSW°13, WMK°19, vdP17].

**Simple**

[MSF00, M101, SC04, BC19b, ITT99, JH97, Nes01, PN01].

**simulate**

[Heb93].

**Simulated**

[BHM94, BHM96, FH97, RSBT95].

**Simulating**

[DLM°17, KDL°95b, KDL°95a, NFG°10].

**Simulation**

[CDMS15, CCBPGA15, DMMV97, DZDR95, GIS97, GM95, GJN97, Ham95a, JML01, KDHZ18, KBM97, KMK16, LLRS02, MFTB95, MPD04, MANR09, PCY14, PKYW95, PZKK02, RR00, RDMB99, SSAS12, SXMX°18, Str97, Ten95, UZC°12, WMC°18, ZZ04, ZWJK05, dIAMC11, ASA91, Ano95d, AD°05, BJ95, BCM°16, BH95, BMPZ94b, CwCW°11, CSPM°96, DSOF11, FHSO99, FO94, FLP18, FFFC99, GRTZ10, JAT97, JLS°14, KTJT03, KNH°18, KMC96, KMC97, LFS°19, LCVD94b, LCVD94a, LYZ13, MMW96, MALM95, NB96, NF94, OKM12, PARB14, PR95, RFH°95, SWYC94, SSP°94, SKM15, Str96, Syd94, Tho94, WHMO19, WGG°19, YPA94, YEG°13, YSL°12, Eng00].

**Simulation-Based**

[ZWJK05].

**Simulations**

[CGS15, CNM11, DFMD94, DJ02, GAP97, HLP11, HF14a, HF14b, KT02, Kha13, NH95, RTRG°07, SM02, YPAE09, ADT14, ABG°96, BHS18, BAC07, CFF19, GM18, Hm11, JMS14, LS10, LSVMW08, RMNM°12, SU96, THDS19, TOC18, VLSPL19, WWFT11].

**Simulator**

[CAM12, MRV00, PHO°15, UT02, WPC07, AMY02, LS10, PW0°12, WZWS08, ZAFAM16, ZZ95, KTJT03, NS05, Nak05a, Nak05b].

**Simulators**

[SBB95, AVA°16].

**Singapore**

[IEE96d].

**Single**

[BM00, HF14a, HF14b, MB00, URKG12, WZM17, AGS04, KKL07].

**Single-Chip**

[URKG12].

**Single-sided**

[BM00].

**Single-Threaded**

[WZM17].

**single/multigrid**

[AGS04].

**singleton**

[TVC18].

**Sinks**

[JPT14].

**Sites**

[Ano98].

**Sixth**

[HK95, IEE96c, MMH93, SW91].

**size**

[GKCF13].

**Sizes**

[DALD18, ZSnH01].

**SKaMPI**

[KS99].

**SLAE**

[KFL05, FKLB08].
Slave [LTR00, HP05].
SLEPc [DR18].
SLICC [KBHA94].
Slices [GSHL02].
Slim [WMC+18].
Small [HLP11, TS12b, Ano94h].
small-footprint [TS12h].
Small-World [HLP11].
Smith [KDSO12, RGB+18].
Smithsonian [Str94].
smoking [YSL+12].
SMP
[Add01, CRE99, CRE01, CCBPGA15, HD02a, DK06, GT01, GMDBD+07, HD02b, Hu00, HIP02, JKH08, KIO10, KKH03, KMG99, KAM02, NO02b, N002, ST02a, TOTH99, Trå02b, YWC11, bT01a].
SMPCkpt [DCH02].
SMPI [DLM+17].
SMPs [HLCZ00, NU05, SwL99].
SMPSs [MLAV10].
SMPSuperscalar [GCBL12].
SMT [PAdS+17].
SMT-based [PAdS+17].
snake [JPP95].
snake-in-the-box [JPP95].
Snir [Ano96a, Ano99a, Ano99c, Ano99b, Ano99d, Nag05].
SnuCL [Lee12].
soccer [YMYI11].
socket [Gro19, LS10].
SoCs [AFG18].
Soft [AJYH18].
Softshell [SKK+12].
Software
[A94, BME02, BPG94, BDP+xx, C295b, DGH+99, ESB13, FFP03, GFB95, Gre95, HPR+95, H95, IRA95, IEE951, IEE96h, IF95, KS15a, KC94, KAMAM17, KG93, LB16, MBE03, NPS12, Ost94, PZ12, SI96, Swa01, TDBEE11, Vs00, Wis01, Wol92, An97, BCS99, Bo97, Bra97, BR94, CMV+94, CBPP02, DP97, Hum95, Ji97, JB96, LM94, MK94, Neu94, Ol02, PHA10, PK05, PGK+10, RAS16, SHH10, Sch94, Seif99, SP95, Str94, WGG+19, ZGN94, An94i, KM93, SI96].
Software-Managed [LB16].
Solana [CGB+10].
Solaris [An01a].
solidification [JL+14].
solids [Hin11].
Solution
[DWL+10, FBSN01, HO14, MC18, RPM+08, SEP+16, Tsu12, VR50, DWL+12, IM95, JK10, LSR95, MAL95, ON12, PRS+14, SC96a].
solutions
[AGIS94, LMG17].
Solve [Hog13, LSM+18, Riz17, BAV08, Che99, GGG99].
Solver
[Ben01, BP98, CF01, HSMW94, ID94, L297, SJK+17a, SJK+17b, WJB14, YKW+18, AMS94, CP15, CFF19, DM12, HSHM19, JR10, LM99, Lou95, OGM+16, RM99, SRK+12, SCC95, THM+94, ZGG+14].
Solvers
[DFN12, DALD18, G10, MSB97, NO022, Nak03, NHT02, NLH07, QRMG96, RS97, WR01, ACF+17, ADLL03a, ADLL03b, ADDR95, BR99, CL93, DR18, MKP+96, MS95, NO02a, Nak05a, Nak05b, NHT06, PR94c, QRG95, SSH08].
Solving
[ADRCT98, BHM94, BHM96, B99, BDG+92c, BSH15, DAD18, DAD19, GFG12, Hu96, LLY93, MS02a, NF94, SAS01, SP11, SD99, ZTD19, BB95a, DSN94, HAA95, LBB+16, LYSS+16, MM11, SSB+16, SMIS06, YSVM+16, YSM+17].
SOM
[GkLyC97].
Some
[BDT08, Mul01, Pet97, AL92, NN95, RSBT95].
Sopron [VV95].
Sorrento [DKD05, DKD07].
sort
[KVGH11, PSHL11].
Sorting
[ELT16, BHJ96, PSHL11].
Sound [SG12].
Source
[BGG+15, MM07, AC17, AVA+16, NCB+17, Noah08, P9+10, WG+19].
Source-Code-Correlated [MM07].
source-to-source [AC17].
Sources
[ZDR01, KM10].
South [ACM95a].
southeast [ACM95a].
Sowing [GL97a].
SP
[BGBP01, CE00, HMKV94, LC97b, WT11, WT12].
SP-1 [HMKV94].
SP-2 [LC97b].
SP1 [BR95c, FPH94b, FPH+94, FHP+95, Fra95, FWR+95, GL95d, HSMW94, MP95].
SP1/SP2 [FPH+95, Fra95, FWR+95].
Space
[ACM95b].
Space
[CML04, CB16, HO14, MSF00, OFA+15, SAS01, SS01, TA14, SRK+12].
Space-Sharing [CML04].
Spaces [RtB19].
SPAI
[BBS99].
Spain [DL99].
SPAN
[LHMM96, Li96].
Spanish [VP00].
spanning [NCKB12].
Spark
[GRW+19, KWEF18].
Sparse
[AN95, BBH12, DS13, Hu96, NHT02, TD98, ZB97, AK99, ADLL03a, ADLL03b, ER12,
Structural [PSS01]. Structure
[CBL10, LAFA15, SYF96, WHDB05, EPM09, SEC15, SY95, ZAT+07].

Structured [FB96, Mar06, MRB17, NLRH07, Ran05, Bis04, CLSP07, FR95, GBR15, JAT97, Sni93b]. Structures
[GMP98, JY95, KA95, OKW95, SHPT00, WB96, YPA94]. studies [DHP97]. Study
[AIM97, AFGR18, BF01, BHTS+95, DARG13, DJJ+19, EGC02, FPY08, GL97a, HHC+18, KCR+17, LSB15, MM02, NSLV16, NA01, PK05, RRBL01, SCL01, TG94, AGR+95b, AML+99, BJ13, BIDA94, BJS99, BY12, Bri00, CBM+08, DBX96, ED94, FO94, JR13, JLG05, KBG16, LPD+11, LLH+14, MS96b, PK08, PGK+10, PSHL11, RSBT95, RJC95, TPD15, WAl01b, WLK+18, ZSK15].

Stuttgart [KGRD10, WPH94]. style
[JPOJ12].

Sub [MJG+12].

Sub-communicators [MJG+12].

Subcircuit [HLO+16]. subdomain
[CAGS07]. subdomains [SHHC18].

Subgroup [XLW+09]. Submitting [NSS12].

Subrange [Str97]. Subroutine [Saa94].

Subroutines [dCH93]. subsurface [ED94].

Subsystem [BMG07, MA096].

Subsystems [STMK97]. Subtle [SAL+17].

Success [Gro01b, LF+93a]. Successes [Gro01a]. Successful [Gro12]. suffix
[DK13]. Suitability [Mat01b]. suitable
[MAS06].

Suite [ACMR14, AKE00].

BVW+12, MBB+12, Rix17, Ano03, BO01, MVWL+10, TG09, YSWY14, SNMP10].

Suites [MC90, SG+03]. summation
[IHM05]. Summit [BC19b]. Sums
[ST17, MYB16].

SUN
[BM00, SJ02, WSN99].

Sunderam
[Ano95b, NM95].

Super [GUA16, YX95].

Super-Object [YX95].

Supercomputer
[Ano93a, CLP+99, Str94, AAC+05, BGH+05, EFR+05, GL96, GL97c, KMH+14, NSM12, Ste94, GS91b, MAB05]. Supercomputers
[BP93, BDG+92c, EKTB99, KN17, WT11, WT13]. Supercomputing
[ACM96b, ACM04, ACM05, BDG+91b, HK93, IEE91, IEE93e, IEE94b, LRU95, Sch94, ACM94, ACM96c, Ano93e, BG91]. superlattice [Pri14]. superscalar [ACJ12].

Supersonic
[CCBPAGA15]. Support
[Ano98, BBG+10, BFW01, CFF+94, DMMV97, FGRD01, GVO1, GOM+01, HRSA97, LMRG14, MK04, OP98, PSM+14, RR02, SDN99, SBT04, TW01, Wis98, Wis01, YSP+05, ZL18, BBH...13a, BL99, CC10, CZ95b, DLR94, Hos12, Maf94, RS19, TSY99, TSY00, TY14, WKO8a, WKO8b, WKO8c, YAJG+15]. Supported [KLR16, CDD+96].

Supporting
[FD00, FMSG17, FSN91b, GAM01, GUA16, MMS07, OOS+08, WNL03, WNL06, WSC99, YWCF15, FLD96, GAM+00].

Supports
[AELGE16, CL03, DGM93]. suppression [WWZ+96]. Surface
[BS15b, PKYW95, R6149, BHW+12, DCD+14, RAGJ95, TSP95]. surfaces
[Dab19]. Survey [Sap97]. Survive
[ABB+10]. sustainable [CGB+15]. SVD
[CMH99]. Swan [HD11]. Swapping
[SC04, BBW19]. Sweden
[Eng00, HAM95b, FF95]. Swendsen
[K014, Kom15]. Switch [SCL01, TBD96]. Switched
[LH3, KLY03, KLY05].

SWITCHES [DT17]. Switzerland
[GT94, Ano94i, IEE97b].

SX
[HRZ97, TRH00]. SX-4 [HRZ97]. SX-5
[TRH00].

Sydney
[Bil95].

Sylvester
[GK10]. Sylvesterm-Type
[GK10].

Symbolic
[CC12, Coo95b, Ste00, YY+W+12, ACM97a, BHKR95, Coo95a, Lev95, LGQ10, LLGL12, SMAC08]. Symmetric
[BDO03, MDM17, YKW+18, BAV08, DCH02, GG99]. Symposium
[ACM95b, ACM96a, Ano94a, Ano95d, BG91, DE91, HHK94, IEE93c, IEE93b, IEE94a, IEE94e, IEE94g, IEE95c, IEE95d, IEE95k, IEE95f, IEE95g, IEE96b, IEE96c, IEE96f, IEE96e, IEE97b, IEE97c, IEE05, LHHM96, L96, NM95, OS94, SL94a, Sie94, Sie92a,
Synchronization [ADB+97, BBS+99, CCG+97, DHH96, EK97, FGD01a, FSG08, Gly94, HWW97, KCR+17, LFW95, MBF95, MSL12, NIO+02, NGK07, OCK97, OpM08, PlT03, RFRH96, SKB+12, TBP18, YKL11].
Synchronization [ADB+97, BBS+99, CCG+97, DHH96, EK97, FGD01a, FSG08, Gly94, HWW97, KCR+17, LFW95, MBF95, MSL12, NIO+02, NGK07, OCK97, OpM08, PlT03, RFRH96, SKB+12, TBP18, YKL11].
Synchronization [ADB+97, BBS+99, CCG+97, DHH96, EK97, FGD01a, FSG08, Gly94, HWW97, KCR+17, LFW95, MBF95, MSL12, NIO+02, NGK07, OCK97, OpM08, PlT03, RFRH96, SKB+12, TBP18, YKL11].
Synchronization [ADB+97, BBS+99, CCG+97, DHH96, EK97, FGD01a, FSG08, Gly94, HWW97, KCR+17, LFW95, MBF95, MSL12, NIO+02, NGK07, OCK97, OpM08, PlT03, RFRH96, SKB+12, TBP18, YKL11].
Synchronization [ADB+97, BBS+99, CCG+97, DHH96, EK97, FGD01a, FSG08, Gly94, HWW97, KCR+17, LFW95, MBF95, MSL12, NIO+02, NGK07, OCK97, OpM08, PlT03, RFRH96, SKB+12, TBP18, YKL11].
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[NSZS13, APBcF16, ABF+17]. **Taskers** [FLD96].

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tasklet [PQR18]. **Tasks**

[ACD+09, DDP+19, DT17, DFA+09, JW96, OP98, PWPD19, RR02, RDLQ12, YSS+17, BS01, DDYM09, DR95, FKK+96b, FKK96a, IvdLH+00, PKE+10, PWPD19]. **TAU** [MMS07, RMS+18].

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**TBB** [Stp18]. **TBSCM** [BP98]. **TC2** [Boi97]. **TC2/WG2.5** [Boi97].

**TCGMSG** [GB94, Mat94, Mat95]. **TCP** [KPW05].

**TD** [And98].

**Teaching** [MK00, JY95, MK97, PKB06]. **Technical** [Ano93c, Ano98, MC94, USE95, ACM06a, Sni18].

**Technique** [BCD+15, HC06, HAA+11, MK17, HC08, Nes10, RBB17, MAIVAH14]. **Techniques** [Mal95].

**Technology** [Ano97, Bra97, CGB+10, CSV12, Dan12, GN95, HS94, PWP+16, STB04, TCG+02, Ano93a, Ano93c, D+95, DM12, IEE94c, NS16, ZAT+07]. **Tekniska** [Eng00].

**Telegraphic** [ES11]. **TELMAT** [BR94].

**temperature** [Hin11]. **Template** [GS97, PKB06]. **Templates** [BN12, KH15]. **Tennessee** [PR94b].

**terabyte** [KTJT03]. **Terabytes** [IEE02].

**tera
ops** [KTJT03].

**Terms** [KD12].

**Tessellation** [SS01].

**Test** [SNMP10, TG09, AAAA16, CPR+95, GL92, TGKL19].

**Testbed** [Mat06b, EGH99, PY95]. **Testing**

[CK12, DFK94b, DLLZ19, OS+94, VdS00, CMV+94, DFK93]. **Testsuite** [WCC12].

**Texas** [ACM06a, IEE94b, IEE95, IEE97c, Y+93]. **Text**

[LTR00, MM01, RLL01, RT99]. **Textbook** [Ano98]. **textural** [WKS96].

**texture** [HE15]. **TFETI** [SHHC18]. **TH** [CFDL01]. **TH-MPI** [CFDL01]. **Thakur** [Ana00a].

**Their** [BRu12, GOM+01, RG18, GSMK17].

**theorem** [Sut96]. **Theory** [GK10, BW12, CBHH94].

**Thera** [CD01].

**Think** [HCA16]. **Third** [BPG94, Bos96, DSM94, GA96, IEE94g, Sif96, Was96, BDL96, Mal95, IEE97c].

**Thirty** [Y+93]. **Thirty-seventh** [Y+93].

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**thread-based** [AKB+19]. **Thread-Level** [AELGE16, HK09, YZ14].

**Thread-Safe** [Pla02]. **Thread-safety** [GT07].

**Threaded** [BBG+10, MG15, WZM17, Ada98, EBKG01, SCB15, SVC+11, TSY99, TSY00].

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[BHV12, MLGW18, STB04, TCG+02, WMK+19, KPO00, KRG13, QB12, ZAT+07].

**Threads** [CP98, LD01, Lee06, BS01, DJJ+19, MVP96, ALW+15].

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transport [LBB+16, SSB+16, YSVM+16]. TRAPPER [KFSS94, SSKF95]. travel [SSS99].

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Trees [CDPM03, GFJT19]. Trends [Duv92, IEE93d, MBS15, JPTE94, SGDM94, Sun96].

Triangle [SL94a, SOA11]. Triangular [Hog13, MRB17]. triangulated [Dab19].

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Troy [SS96]. Truncated [ZB97].

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Types [Wel94, NYNT12]. typy [OA17].


UML [RGD13]. UML/MARTE [RGD13].


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unifying [CCM12]. Unintended [SAL+17].

unit [VDL+15, MSML10]. United [Boi97].

Units [KS15b, LSMW08, ABPD15, BHS18, LHLK10, WWFT11, HJB14].

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Updates [ESB13, KS15a, ZDR01, HSE+17]. UPD [NPP+00d]. ups [Ano03].

Usage [FD02a, FCLG07, FD02b, FVLS15]. Use [FJBB+00, Gro02a, HK93, HK95, MB12, PSZEO0, Shi94, AB95, GEW98].

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Vapour [IEE95a, IEE95i]. Variation [ACM96a, AS92, ARL+94, BJ93, BP99, BS93, BG94b, CHD07, D+91, EGR15, Fis01, GBD+94, Gei01, Gre94, ITT99, JPP95, KNT02, KKD03, KKD04, KKD05, LKD08, LK10, MTWD06, NM95, Nov95, NMC95, Pat93, Per96, QR95, RWD09, SSS99, Sei99, SCS12, SXM+18, TY14, Tsz07, We94, YC98, ARS89, AD98, AL92, Ano95b, BR91, BDG+91a, BPC94, BBC99, Bir94, BDL96, BCM+16, BFM96, BDW97, BB95b, CARB10, Cava93, Cha96, CD01, CXB+12, DDS+94, DM93, DKD05, DLM96, DPK90, DLO03, DPZ97, ESB13, FM90, Ho95, KMC97, KSS+18, Kra02, LG93, MN91, MHR+96, NB96, PRS16, Sch94, SK92, SCC96, SL00, WK08a, WK08b, WK08c, AGIS94, Sei99].

virtual-time [SK92]. Virtualization [FC05, MGL+17, Ott94, YSS+17, ZLP17, CPM+18, RSC+15, SIRP17]. Virtualized [EGR15, YWCF15, RNP13]. viruses [Str94]. viscoelastic [HK94, MAIVAH14]. viscosity [ZZG+14]. viscous

Viscous [HK94, MAIVAH14]. viscosity [ZZG+14]. viscous [RM99]. VSIP [HPS95].

Vision [KCR+17, JRM+94]. VISPAT [HPS95].

Visualization [BDGS93, GKP96, GKP97, HJ98, KA13, MVY95, NAW+96, PK98, PCY14, Wis96a, ZLGS99, Bor99, Eng00, FHC+95, HPS95, KAF96, TSS99, WST95, Wis96b].


Volumes [GAP97, SOA11]. Volumetric
[KA13, CLBS17, KGB+09]. Voodoo
[PMZM16]. VOOM [BR91]. VORD
[KSJ14]. VR [DBA97], VRML
[ACM96a, NM95, KSJ95, KSJ96].
VRML-Based [KSJ95, KSJ96]. vs [FH98,
AFGR18, BCh+08, Luo99, Nak05b, SC19].
VTC [NU05]. VTDIRECT95
[HWS09, SWH15]. VxWorks
[YGH+14]. WA [ACM05, LCK11]. Wailea
[ERS96, HS94, MMH93]. Waknaghat
[CGB+10]. Walker
[Ano96a, Ano99a, Ano99b, Nag05]. wall
[NB96]. wall-clock [NB96]. walls [JAT97].
WAMM [BCLN97]. Wang [KO14, Kom15].
Warehousing [DERC01]. Warp
[SCL01, HKOO11, MMW96, VSW+13].
WARPED [MMW96]. WARPmemory
[SF095]. Washington [B+05, BS94,
IEE93c, IEE94h, IEE95k, Ost94], watching
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[HHTD99, R+92, dIAMC11, dIAMCFN12].
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[BBC+00, EMO+93, ESM+94, NSL16,
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NB96, RMNM+12]. Wave-Particle
[NSL16]. Waveform [LSR95]. Wavelet
[UH94, UH95b, Zem94, vdLJ91, UH95a,
UH95c]. Way [Vog13, FG96]. ways
[CZ96]. weak [SD16]. Weather
[AHP01, HE02, Bjo95, KOS+95a, Mal01].
web
[CHHK15, AASB08, NE01, PES99, Wai01b].
Web-Based [NE01, PES99]. WebCL
[CHHK15]. WebCom [OPM06].
WebCom-G [OPM06]. Wednesday
[B+05]. Weicheng
[Ano95b, NMC95]. weight
[KA95]. welcomes [Str94]. West
[E01, EdS08]. Westin [IEE94e]. We've
[GKPS97]. WG10.3 [DR94]. WG2.5
[Boi97]. Wheeler [NTR16]. where [KC94].
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Wide
[FGG+98, dOSMM+16, FG96, KHB+99].
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[Gao03]. Will [CB00]. William
[Ano95c, Ano99c, Ano99d, Ano00a, Ano00b].
Williamsburg [IEE92]. Win32 [MS98].
windows
[QB12, RGG+18, Ano01a, CLP+99, FD97,
GGGC99, PS01a, SFG98, SSSS97, TAH+01].
Windows95 [SSSS96]. Winona [Ano94h].
wireless [Bon96]. wissenschaftliche
[MS04]. wissenschaftliches [Ano94c].
without [BW12, Pla02, RSC+19, YLZ13].
WLAN [MSOR01]. WMPI [BPS01,
MS98, MSS98, MS99c, PS01a, SMS00].
WOMPAT [Ch05, EV01, Vos03].
Woollongong [GN95]. Work
[HRSA97, Pet00a, Pet00b, OdSSP12, TCBV10].
work-stealing [TCBV10]. Worker
[ELM00, YG96]. Worker-Based [YG96].
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[LYZ13]. Workforce [Liv00]. workgroup
[SDB+16]. Working
[Ano98, B0i97, MCS00, Pet01, DR94].
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[AGS97, DBVF01, PS19]. Workloads
[AFGR18, CC17, LWZ18, APBcF16,
AVA+16, AMC+19, CJPC19, SKB+14].
WorkPlace [Ano97, Bra97]. workqueueing
[VBLvdG08]. Workshop [ACM98, AGR95a,
BPC94, Bha93, BC00, Cha05, CZG+08,
CGKM11, CMMR12, DW94, DT94, EV01,
EdS08, Fer92, FK95, FF95, HK93, HK95,
IEE93d, IEE93f, IEE94d, IEE95h, IEE96g,
IFI95, KG93, Kuh98, Kum94, MddC09,
PBG+95, PBPT95, SC92, Shim+10, Sch93,
Vos03, Was96, AH95, BS94, Cal94, D+95,
DMW96, FR95, GL95b, IEE93f].
Workshops [MCD+08]. Workstation
[GHL97, HSMW94, KS96, LC97a, MFTB95,
Pus95, YK+96, A95, ALR94, BLP93,
BSvdG91, BRS92, BALU95, BWT96, CCU95,
DG95, ED94, GFB95, Heb93, JRM+94,
LL95, NMW93, NN95, PM95, PL96, RBS94,
REFERENCES

workstation-cluster [Heb93].
Workstation-Clusters [MS04].

Workstations
[AR01, BL94, BL95, BM97, BDH95, BDH97, BMS94b, DDPR97, EK97, GS91b, HIP02, ID94, Liu95, LHZ98, MSCW95, MM01, OWSA95, PFG97, TQDL01, VLO08, AL93, BJ95, BID95, Bru95, BMPZ94b, BMS94a, BMPZ94a, CCF94, Coe94, DZ98a, DOSW96, GM94, GMU95, HK94, Hus99, KMC96, KMC97, KA95, MK94, MM03, RRG99, SFO95, SR95, TDB00, dCH93].

World [CMMR12, CJNW95, FD00, GHH93, HLP11, MC94, NSLV16, PSB94, Wit16, dGJM94, GDR93, JR10].
Worlds [Rab98].
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Wrapper [AS14].
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Write [BIC10].
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Writing [FWS17].
Written [KaM10, KNH18].
WWW [KSJ95, KSJ96].

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Xab [Beg92, Beg93b, Beg93c, Beg93a].
Xen [PRS16].
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XPVM [KG96].
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YLC [Gal97].
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Yorkshire [CJNW95].

Zero [SWHP05, Hin11].
Zero-Copy [SWHP05].
ZEUS [FF95].
Zipcode [WL94, SSD94].
Zonal [Fin94, Fin95].
Zone [AAC05]
[JCH08, AGMJ06].
Zum [Wer95].

[GBR97, Sei99].

References

AlQuraishi:2016:CBP
ISSN 1744-5760 (print), 1744-5779 (electronic).

Agullo:2017:BGB

Almasi:2005:DIM
G. Almasi, C. Archer, J. G. Castaños, J. A. Gunnels,

Akzhalova:2008:WPL


Arth:1993:PIU


Arthur:1993:CUA


Aloisio:1995:UPW


Augusto:2013:APG

Ayguade:2010:EOS


Adhianto:2000:TOA


Appiani:1995:PSI


Appiani:1995:PSM


Agosta:2015:OPP

Aliaga:2017:CTP


Arbenz:1996:MDS


Abrahart:1996:GIC


Adhianto:2007:PMC


Alvanos:2017:PMM


Ayguade:2009:DOT

Arnold:1994:PCT


Acacio:2002:MDM


Alexandro:1997:PMC


Agullo:2011:QOM


Andersch:2012:PPE


ACM:1990:PAC

REFERENCES


[ACM97a] ACM, editor. PASCO '97. Proceedings of the second international symposium on parallel symbolic computa-
REFERENCES


REFERENCES

ACM:2001:SHP


ACM:2003:SII


ACM:2004:SHP


ACM:2005:PAI


ACM:2006:PST


ACM:2006:PCC


ACM:2011:SSP

Antonelli:2014:ATS


Alonso:2011:NEM


Ancona:1995:PAD


Alexandrov:1998:RAP


Adamo:1997:A00


Adamo:1998:MTO

REFERENCES


Antonuccio-Delogu:1994:PTN


Addison:2001:EOP


Arioli:1995:PSB


Amestoy:2003:IIMa


Amestoy:2003:IIMb


Aversa:2005:HDS

Rocco Aversa, Beniamino Di Martino, Nicola Mazzaocca, and Salvatore Venticinque. A hierarchical distributed-shared memory

[Aldea:2016:OES]


[Alexandrov:1998:CGP]


[Amitkar:2014:EPC]


[Ashby:1995:PPG]

S. F. Ashby, R. D. Falgout, S. G. Smith, and A. F. B.


REFERENCES


[AGR+95b]


[AGS97]


Ammar Ahmad Awan, Khaleed Hamidouche, Jahanzeb Maqbool Hashmi, and Dhabaleswar K. Panda. S-Caffe: Co-designing MPI runtimes and Caffe for scalable deep learning on modern GPU clusters. ACM SIGPLAN Notices, 52(8):193–205, Au-
Ahmad:1997:EVP


Allsopp:2001:EUM


Aversa:1997:MDP


Aguilar:1997:PMS


Aubrey-Jones:2016:SMI


AlKadi:2018:GPC

REFERENCES

5:??, March 2018. CODEN ???? ISSN 1936-7406 (print), 1936-7414 (electronic).


Brian Armstrong, Seon Wook Kim, and Rudolf Eigenmann. Quantifying differences between OpenMP and MPI using a large-scale application suite. Lecture Notes in Computer Science, 1940:482–??, 2000.


Ahmad Abdelfattah, David Keyes, and Hatem Ltaief. KBLAS: an optimized library for dense matrix-vector multiplication on GPU accelerators. ACM Transactions on Mathematics.
REFERENCES

Alfano:1992:DNA

M. Alfano and G. Lo Re. Distributing numerical algorithms: some experiences with network computing system (NCS) and parallel virtual machine (PVM). In SCRI WCC’92 [SCR92], page ?? ISBN ???. LCCN ???. Proceedings available via anonymous ftp from ftp.scri.fsu.edu in directory pub/parallel-workshop.92.

Altevogt:1993:PTD


Alt:1996:PIA


Amer:2018:LCM


Alund:1994:CFD


Amer:2015:MRC

REFERENCES

[Ayguade:2007:SIO]

[Almasi:1993:PDS]

[Awan:2019:OLM]

[Agrawal:2011:PPS]

[Ayguade:1999:EML]

[Amato:1994:PEP]
anMey:2007:NPO


Al-Mouhamed:2015:EO


Andersson:1998:PFT


Anonymous:1989:PFC


Anonymous:1992:PSE


Anonymous:1993:ATA


Aversa:1994:PSH

REFERENCES


REFERENCES

8186-6606-4. ISSN 1063-9535. LCCN QA76.5.S894 1994. IEEE catalog number 94CH34819.


Anonymous:1994:PPC

Anonymous:1994:PSE

Anonymous:1994:SCC

Anonymous:1994:SQC

Anonymous:1995:CCS
Anonymous:1995:BRPb


Anonymous:1995:BRPb

Anonymous:1995:RSS


Anonymous:1995:UPH

Anonymous. Using PVM to host CLIPS in distributed environments. In *3rd CLIPS conference — September 1994, Houston, TX* [Ano95a], pages 203–211. ISBN ???? LCCN ????.

Anonymous:1996:BRMh


Anonymous:1996:IPP

Anonymous. An introduction to PVM programming. World-Wide Web,


[Ano98] Anonymous. Announcements: New official Fortran technical reports; working group 5 documents; OpenGL Fortran 95 bindings; MPI module provides enhanced Fortran support; variable precision arithmetic; Fortran information sites; new Fortran compiler versions from Lahey and Fujitsu; downloadable advanced Fortran textbook; Fortran engineering textbook. *ACM Fortran Forum*, 17(3):1–2, December 1998. CODEN ????. ISSN 1061-7264 (print), 1931-1311 (electronic).


### Anonymous:1999:BRMb


### Anonymous:1999:BRMg


### Anonymous:2000:BRUd


### Anonymous:2000:BRUe

Anonymous: 2001: AAL


Anonymous: 2001: EDP


Anonymous: 2003: MNIC


Anonymous: 2012: CTC


ANS: 1995: MCR


Anglano: 1996: PMB


REFERENCES


Alonso:1997:PBB

Al-Shorman:2019:UPP

Aydin:2018:RTP

Alves:1995:WPC

Anderson:2017:BGB

Agrawal:1994:PIC
REFERENCES

Amit Amritkar, Danesh Tafti, Rui Liu, Rick Kufrin, and Barbara Chapman.


Francisco J. Andújar, Juan A. Villar, Francisco J. Alfaro, José L. Sánchez, and Jesús Escudero-Sahuquillo. An open-source family of tools to reproduce MPI-based workloads in interconnection network simulators. *The
Asenjo:1995:SLF


Arteaga:2017:GFG


Bacter:2006:MFP


Bader:2016:EMT


Becciani:2007:FMH

REFERENCES


### REFERENCES

<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
<th>Authors</th>
<th>Journal/Conference Details</th>
</tr>
</thead>
</table>


REFERENCES


Barak:1996:PPM


Bouteiller:2006:HPS


Bustamam:2012:FPM


Bland:2013:EUL

Bland:2013:PFR


Busa:2015:CCO


Brown:2019:LMR


Boryczko:1994:LGA


Barnard:1999:MIS


Brorsson:2000:SIE

Mats Brorsson and Barbara Chapman. Special issue:
<table>
<thead>
<tr>
<th>Reference</th>
<th>Citation</th>
</tr>
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<tr>
<td>[BC19b] Reuben D. Budiardja and</td>
<td></td>
</tr>
<tr>
<td>Barton:2006:SMP</td>
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</tr>
</tbody>
</table>


tronic). URL http://hpc.sagepub.com/content/24/1/5.full.pdf+html.


Bartaglia:1997:IPW


Bhattacharjee:2011:PLC


Bolis:2016:APA


Baiardi:2000:AMM


Blackford:1997:PEN


REFERENCES


[Beguelin:1993:VDH] Adam Beguelin, Jack Dongarra, Al Geist, and V. Sunder-
REFERENCES


REFERENCES

[SINODQ] ISSN 0362-1340 (print), 1523-2867 (print), 1558-1160 (electronic).

-bronevetsky:2007:CFS-


-baboulin:2008:SID-


-briguglio:2003:PPM-


-bubak:1997:RAP-


-batty:2016:OSA-


-beyls:1999:JJP-

[BDY99] K. Beyls, E. D’Hollander,

Beguelin:1992:XTM


Beguelin:1993:XTMb


Beguelin:1993:XAT


Beguelin:1993:XTMa


Bull:2010:PEM


Benkner:1995:VFA


Bencheva:2001:MPI

REFERENCES


[BFG+10] François Broquedis, Nathalie Furmento, Brice Goglin, Pierre-André Wacrenier,

**Baraglia:1999:PAN**


**Bubak:1996:MPP**


**Bubak:1996:PBP**


**Bouge:1996:EPP**


REFERENCES

[120]

Banikazemi:2001:MLE
Mohammad Banikazemi, Rama K. Govindaraju, Robert Blackmore, and Dha-
baleswar K. Panda. MPI-
LAPI: An efficient im-
plementation of MPI for
IBM RS/6000 SP systems.
IEEE Transactions on Par-
allel and Distributed Sys-
tems, 12(10):1081–1093, Oc-
tober 2001. CODEN ITD-
SEO. ISSN 1045-9219
(print), 1558-2183 (elec-
tronic). URL http:
//dlib.
computer.org/td/books/
td2001/pdf/l1081.pdf;
http://www.computer.org/
 tpds/td2001/l1081abs.htm.

Broquedis:2012:LEO
François Broquedis, Thierry
Gautier, and Vincent Dan-
jean. libOMP, an efficient
OpenMP runtime system for
both fork-join and data flow
paradigms. Lecture Notes
in Computer Science, 7312:
102–115, 2012. CODEN
LNCSD9. ISSN 0302-9743
(print), 1611-3349 (elec-
springer.com/chapter/10.
1007/978-3-642-30961-8_8/.

Bronevetsky:2009:CAC
Greg Bronevetsky, John
Gyllenhaal, and Bronis R.
de Supinski. CLOMP:
Accurately characterizing
OpenMP application over-
heads. International Jour-
nal of Parallel Programming,
CODEN IJPPED. ISSN
0885-7458 (print), 1573-7640
(electronic). URL http:
//www.springerlink.com/
openurl.asp?genre=article&
issn=0885-7458&volume=
37&issue=3&spage=250.

Blanco:2002:PMA
V. Blanco, L. García, J. A.
González, C. Rodríguez, and
G. Rodríguez. A perform-
ce model for the analysis
of OpenMP programs. Par-
allel and Distributed Com-
puting Practices, 5(2):139–
151, June 2002. CODEN
??. ISSN 1097-2803.

Balasubramanian:2015:EGL
Raghuraman Balasubrama-
nian, Vinay Gangadhar, Zil-
jiang Guo, Chen-Han Ho,
Cherin Joseph, Jaikrishnan
Menon, Mario Paulo Dru-
mund, Robin Paul, Sharath
Prasad, Pradip Valathol,
and Karthikeyan Sankar-
alingam. Enabling GPGPU
low-level hardware explo-
rations with MIAOW: an
open-source RTL implemen-
tation of a GPGPU. ACM
Transactions on Architec-
ture and Code Optimiza-
tion, 12(2):21:1–21:??, July
2015. CODEN ??. ISSN
1544-3566 (print), 1544-3973
(electronic).
REFERENCES


REFERENCES


Bhargava:1993:PIW

Bhanot:1998:DTM

Bader:1996:PPA

Bouteiller:2006:MVP

Bubek:1995:DSC

Bischof:1995:CSM

Bachem:1994:PCT


REFERENCES

[124]

Berk:2012:PET


Busa:2012:ACO


Bae:2017:SEF


Bickham:1995:POM


Bernaschi:2005:ERA


Blas:2010:IEF


[ACM95a]
REFERENCES

IHPCFL. ISSN 1094-3420 (print), 1741-2846 (electronic). URL http://hpc.sagepub.com/content/24/1/78.full.pdf+html.


[BJ95] L. Boianov and I. Jelly. Distributed logic circuit simulation on a network of work-

Barkati:2013:SPA


Bjorge:1995:ISS


Blaheta:1997:PIP


Blaheta:1999:LFM


Bhandarkar:1996:MPM


Bull:2000:JOL


Balevic:2011:KAD

REFERENCES

Bhandarkar:2001:ALB


Bekas:2002:PCP


Boryczko:1995:NIC


Bull:2000:PPJ


Beaugnon:2014:VV

[BvKH+14] Ulysse Beaugnon, Alexey Kravets, Sven van Haastregt, Riyadh Baghdadi, David Tweed, Javed Absar, and Anton Lokhmatov. VOBRA: a vehi-
REFERENCES


Belviranli:2018:JDA


Bubak:1998:PCL


Bhandarkar:1997:CRP


Booth:2000:SSM


Basumallik:2002:TOE


Buntinas:2007:IES

REFERENCES


REFERENCES


REFERENCES


References

Berthou:1998:PHM


Barbosa:1999:ADM


Beletsky:1994:OPV


Becks:1994:NCT


Barbosa:1997:EUW


Baptista:2001:IOS

REFERENCES


Ron Brightwell, Rolf Riesen, and Keith D. Underwood. Analyzing the impact of overlap, offload, and independent progress for Message Passing Interface applications. *The International Journal of High Per-
REFERENCES


Blikberg:2005:LBO


Brown:2007:HSP


Bassomo:1999:PGE


Bolton:2000:MPL


Bukata:2015:SRC


Bakhtiarie:1995:APL

REFERENCES

to linear cryptanalysis. In Gray and Naghdy [GN95], pages 278–279. ISBN ????
LCCN ????.


REFERENCES


Francis George C. Cabarle, Henry Adorna, and Miguel A. Martínez. A spiking neural P system simulator based
REFERENCES


REFERENCES

Creec:2016:TSS


Cooper:1994:CHF


Coronado-Barrientos:2019:ANF


Casas:2010:APD


Chapman:2002:APU

REFERENCES


Gene Cooperman, Henri


REFERENCES


[Cao:2013:CHP] Chongxiao Cao, Jack Dongarra, Peng Du, Mark Gates, Piotr Luszczek, and Stanimire Tomov. cIMAGMA: High performance dense linear algebra with OpenCL. LAPACK Working Note 275, Department of Computer Science, University of Tennessee, Knoxville, Knoxville, TN 37996, USA,

Conforti:1996:PIA


Cownie:1994:PPP


Chang:1995:EPCa


Cowan:1995:PPP


Casanova:1995:PPM

Chandra:2001:PPO

REFERENCES


**Colombet:1993:SMI**


**Casanova:2015:SMA**


**Cotronis:2011:RAM**


**Chaussumier:1999:ACM**


**Coll:2003:SHB**


**Ceron:1998:PID**

C. Ceron, J. Dopazo, E. L. Zapata, J. M. Carazo, and O. Trelles. Parallel implementation of DNAml pro-

**Cappello:2000:MVM**


**Clemencon:1995:AEP**


**Chau:2007:MIP**


**Cerin:1999:DMP**


**Chen:2001:FFT**


**Chen:2001:TMK**

REFERENCES


Choudhary:1994:LCR

Carpenter:2000:OSM

Corbett:1996:OMP

Clemencon:1995:IRD

Cotronis:1996:ECP

Clauser:2019:FFO


REFERENCES


REFERENCES

[Carpenter:2000:MML]

[Catanzaro:2011:CCE]

[Calore:2016:PPA]

[Chapman:2011:OPE]

[Chatterjee:1993:GLA]

[Caubet:2001:DTM]
Jordi Caubet, Judit Gimenez.
REFERENCES


Paolo Ciancarini and Chris Hankin, editors. *Coordination languages and models: First International Confer-


REFERENCES

Cappello:2009:FSI


Chergui:1999:UPP


Cheng:2010:BRBb


Cho:2015:OAO


Chapman:2001:PDE

REFERENCES


Cho:2010:OPP


Cook:1995:TAS


Cadenelli:2019:CUO


Chapman:2008:UOP


Czarnul:1999:DAP


Chang:2016:DLD

REFERENCES

Casas:1994:ALM


Culler:1993:LTR


Castro-Leon:1993:MCP


Clark:1998:FOP


Chikin:2019:MAA


Cornelis:2017:HAV

Chabbi:2015:BEP


Chen:2003:GMD


Corbacho-Lozano:1999:EDD


Chien:1999:DEH


Cantoni:1995:CCA


Chen:2018:FOB


Performance Fortran, and POSIX threads.

**Corbalan:2004:PMD**


**Carson:2003:CGU**


**Chapman:2012:OHW**


**Campanai:1994:EAS**


**Chapman:1999:EOF**


**Chou:2010:CMI**

Yu-Cheng Chou, Stephen S.
REFERENCES


Chalkidis:2011:HPH


Coelho:1994:EHC


Cooperman:1995:SBP


Cooperman:1995:SMB


Cotronis:1997:MPP


Cotronis:1998:DMP


Cotronis:2004:CMP

REFERENCES


REFERENCES


Cappello:1999:PNB


Cappello:2001:UPS


Cores:2014:FAM


Cores:2016:ROM


Cores:2014:MAL


Ciampolini:1996:EPM

REFERENCES

13–23, May 1996. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic).


**Ciegis:1999:HDA**


**Cote:1999:PSA**


**Cote:1999:PSL**


**Cotronis:2002:MMP**


**Chang:2013:PDS**

REFERENCES

Cotronis:2000:CMP


Czarnul:2001:DPD


Cao:2011:OMM


Cui:2012:OOB


Cavender:1995:APN


Cavender:1995:SSA

C6295 1995. IEEE catalog number 95CB35838.

Chengqing:1996:WIP


Czarnul:2002:DTI


Czarnul:2003:PTA


Czapinski:2013:EPM


Czech:2016:IPC


Chapman:2008:PPM

REFERENCES


[Dongarra:1991:UGP]


[Dongarra:1995:HPC]


[Daberdaku:2019:ACT]


Danalis:2012:MCT

Darema:2001:SMP

Demidov:2013:PCO

deAndrade:2017:OFH

Demuynck:1997:DOD

Dinan:2016:IEM
Dursun:2009:MPM


Dotsenko:2011:ATF


DiMartino:2001:WDS


DAgostino:2014:CAM


daCunha:1993:PLA


Dow:2002:CMA

REFERENCES

Didelot:2012:IMC

Didelot:2014:IMC

DelCuvillo:2006:LOC

Dozsa:2000:THL

Decker:1995:TDU

Deveci:2019:GMT

---

REFERENCES

ITDSEO. ISSN 1045-9219 (print), 1558-2183 (electronic).

Dongarra:1997:BCA


Dean:1994:CPV


Dan:1999:QAM


Durand:1991:HPC


Demaine:1996:FCC


DePasquale:2003:UJU

[DeP03] C. J. DePasquale. Using the JVMPI to understand the behavior of Java classes during the development process. Cmg, 2(??):821–832, 2003. CODEN ????.

Dehne:2001:CPD

REFERENCES


[DFMD94] Manish Deshpande, Jinzhang Feng, Charles L. Merkle, and

Diaz:2012:CCF


DAmbra:1995:CBC


Dinan:2014:ECC


Dinapoli:1997:DCA


Dinan:2012:EMC


Dongarra:2019:PPL

Jack Dongarra, Mark Gates, Azzam Haidar, Jakub Kurzak, Piotr Luszczek, Panruo Wu, Ichitaro Yamazaki, Asim Yarkhan, Maksims Abalenkovs, Negin Bagherpour, Sven Hammarling,

daCunha:1994:PIR


Dongarra:1993:IPF


Dongarra:1992:PUL


**Dongarra:1993:DSM**


**Derakhshan:1997:PEP**


**Dongarra:1997:CSD**


**Dongarra:1996:SRP**


**DiPierro:2014:PPP**


**DiSerio:2002:ENN**

DiNucci:1996:CDS


Denis:2019:SPT


Karniadakis:2002:DLP


Drosinos:2006:EPT


Deo:2013:PSA


DiMartino:2005:RAP

Beniamino Di Martino, Dieter Kranzlmüller, and J. J. Dongarra, editors. Recent advances in parallel virtual machine and message passing interface: 12th European
REFERENCES


REFERENCES


Dongarra:2000:RAP


Dickens:2010:HPI


delaAsuncion:2011:SOL


delaAsuncion:2012:MCI


Desai:2007:CEM


REFERENCES


[DLV16] DeKeyser:1994:RTL


[DM93] Lu:2004:AFS


[DM95a] DeSande:1999:NBS


Davies:1995:NPE

REFERENCES


Dagum:1998:OIS

Dziubak:2012:OOI

Dathathri:2016:CAL
Roshan Dathathri, Ravi Teja Mullapudi, and Uday Bondhugula. Compiling affine loop nests for a dynamic scheduling runtime on shared and distributed memory.

Dalcin:2019:FPM

DiMartino:1997:IPD

Dongarra:1996:APC
Jack J. Dongarra, Kay Madsen, and Jerzy Wasniewski, editors. Applied parallel computing: computations in physics, chemistry, and engineering science: second international workshop, PARA ’95, Lyngby, Den-


K. M. (Karsten M.) Decker and R. M. (Rene M.) Rehmann, editors. Programming environments for massively parallel distributed systems: working conference of the IFIP WG10.3,
REFERENCES


Hoang-Vu Dang and Bertil Schmidt. CUDA-enabled sparse matrix-vector multiplication on GPUs using


Keisuke Dohi, Yuichiro Shibata, Kiyoshi Oguri, and Takafumi Fujimoto. GPU implementation and opti-

**Domokos:2000:PRC**


**Deshpande:1996:MIBa**


**Dekker:1994:MPP**


**Dongarra:1994:PSW**


**Dongastos:2017:SLR**


**Duval:1992:TPP**

REFERENCES


REFERENCES


REFERENCES

137, Summer 1995. CODEN IJSCFG. ISSN 1078-3482.


REFERENCES


Erhel:2014:DDM


Ebrahimirad:2015:EAS


Evans:1992:PCP


Exbrayat:1997:OPS


Eberl:1999:PCP

Elamvazuthi:1994:OPA


Eigenmann:2000:TMPa


Eigenmann:2000:TMPb


Espenica:2002:PPA


Espinosa:2000:ADP


Espenica:2002:APA


Ewing:1993:DCW

Engquist:2000:SVG


Emani:2015:CDM


Eizenberg:2017:BBL


ElZein:2012:GOC

REFERENCES


REFERENCES


Eichenberger:2012:DOT


Eigenmann:2001:OSM


Faraji:2018:DCG


Fabeiro:2016:WPP

REFERENCES


Fagg:2001:HFT

[FBVD01b]

Fagg:2002:FTM


Friedel:2001:HMC

[FBSN01]

Floros:2005:TGS

[FC05]

Falzone:2007:PMF

[FCLG07]


**Fagg:2000:FMF**


**Fagg:2004:BUF**


**Fagg:2002:HFTa**


**Fagg:2002:HFTb**

[FDG97b] G. E. Fagg, J. J. Dongarra, and A. Geist. Heterogeneous MPI application interoperation and process management under PVMPI.
REFERENCES


REFERENCES

[Fritzson:1995:PPA]
Peter Fritzson and Leif Finno, editors. Parallel programming and applications: proceedings of the Workshop on Parallel Programming and Computation (ZEUS '95) and the 4th Nordic Transputer Conference (NTUG '95): Linköping, Sweden. IOS Press, Postal Drawer 10558, Burke, VA 2209-0558, USA, 1995. ISBN 90-5199-229-7 (IOS Press), 4-274-90056-8 (Ohmsha). LCCN ????.

[Fava:1999:MPI]

[Fragoli:1999:DCH]

[Fousek:2011:AFC]

[Fernandez:2003:BMN]

[Foster:1998:WAI]
REFERENCES


[FHP+94] H. Franke, P. Hochschild, P. Pattnaik, J.-P. Frost, and M. Snir. MPI-F: an MPI prototype implementation on IBM SP1. In Dongarra and


Fin:1997:CPM


FHSO99


Fineberg:1995:IMM


Fineberg:1994:IMM


Fin:1997:CPM

REFERENCES

Fink:2000:IMC


Fischer:2001:SAN


Fernandez:2000:UPM


Forejt:2017:PPA


Feng:2014:SBS


Flower:1994:EJM

Jon Flower and Adam Ko-


REFERENCES

Foster:1996:DSB


Frezh:2008:JTD


Fagg:1996:TGR


Fagg:1998:MMH


Fachada:2017:CCF

Nuno Fachada, Vitor V. Lopes, Rui C. Martins,
REFERENCES

and Agostinho C. Rosa.

cf4ocl: a C framework for
OpenCL. Science of Com-
puter Programming, 143(??):
9–19, September 1, 2017.
CODEN SCPGD4. ISSN
0167-6423 (print), 1872-7964
(electronic). URL http://
www.sciencedirect.com/
science/article/pii/S0167642317300540

Ferreira:2018:CMM

[FLPG18] Kurt B. Ferreira, Scott
Levy, Kevin Pedretti, and
Ryan E. Grant. Character-
izing MPI matching via
trace-based simulation. Par-
allel Computing, 77(??):57–
83, September 2018. CO-
DEN PACOEJ. ISSN
0167-8191 (print), 1872-7336
(electronic). URL http://
www.sciencedirect.com/
science/article/pii/S0167819118301467

Feeley:1990:PVM

[FM90] Marc Feeley and James S.
Miller. A parallel vir-
tual machine for efficient
Scheme compilation. In ACM
[ACM90], pages 119–130.
LCCN QA 76.73 L23 A24
acm.org/pubs/citations/
proceedings/lfp/91556/
p119-feeley/. ACM order
no. 552900.

Furlinger:2009:CAE

[FM09] Karl Furlinger and Shirley
Moore. Capturing and an-
alyzing the execution con-
trol flow of OpenMP appli-
cations. International Jour-
nal of Parallel Programming,
CODEN IJPPED. ISSN
0885-7458 (print), 1573-7640
(electronic). URL http://
www.springerlink.com/
openurl.asp?genre=article&
issn=0885-7458&volume=
37&issue=3&page=266.

Fiala:2012:DCS

David Fiala, Frank Mueller,
Christian Engelmann, Rolf
Riesen, Kurt Ferreira, and
Ron Brightwell. Detection and
 correction of silent data
corruption for large-
scale high-performance com-
puting. In Hollingsworth
[Hol12], pages 78:1–78:??
ISBN 1-4673-0846-8. URL
http://conferences.computer.
org/sc/2012/papers/1000a046.

Filipovic:2015:OCC

Jiří Filipovic, Matúš Madzin,
Jan Fousek, and Ludek
Matyska. Optimizing CUDA
code by kernel fusion: appli-
cation on BLAS. The
**REFERENCES**


REFERENCES

Freeman:1992:PNA


Faraj:2008:SPA


Ferreira:1995:PAI


Franke:1995:MPEa


Fritscher:1993:PDC


Ferrari:1995:TDC


Fischer:1997:ESP


Ferrari:1998:MDC

[FS98] Adam Ferrari and V. S. Sunderam. Multiparadigm


Folino:1998:EMC


Folino:1998:PEM


Fernandez:1999:PGP


Feng:2014:MSP


Fernandez:2000:DCE


REFERENCES


REFERENCES


[GBH14] Robert Gerstenberger, Maciej Besta, and Torsten Hoeffer. Enabling highly scalable remote memory access programming with MPI-
Gabriel:1997:EMU

Edgar Gabriel, Thomas Beisel, and Michael Resch. Erweiterung einer MPI-Umgebung zur Interoperabilität verteilter MPP-Systeme. (German) [Extension of an MPI environment for interoperability with distributed MPI systems]. Studienarbeit ange wandte Informatik RUS 37, Rechenzentrum Universität Stuttgart, Stuttgart, Germany, 1997.

Garain:2015:CCF


Graham:2007:OMH


Grove:2005:CBP


Garcia:2012:DLB

REFERENCES

1007/978-3-642-30397-5_2/.

GarciaSalcines:1997:PRR


Garcia:1999:MMI


Garcia-Consuegra:1998:DGR


Gelado:2010:ADS


Gao:2013:GGA


Geist:1993:PTW


Galizia:2015:MCL

Antonella Galizia, Daniele D’Agostino, and Andrea Clematis. An MPI–CUDA library for image process-


Geist:1993:PBN


Geist:1994:CCW


Geist:1996:APP


Geist:1997:ACP


Geist:1998:HNG


Geist:2000:PMW


Geist:2001:BFN

REFERENCES

[GEW98] Lothar Grabowsky, Thomas Ermer, and Jörg Werner. Nutzung von MPI für parallele FEM-Systeme. (German) [Use of MPI for parallel FEM systems]. Preprint-Reihe des Chemnitzer SFB 393 Sonderforschungsbereich Numerische Simulation auf Massiv Parallel Rechnern 97,08; RA-TR 02-97, Universität Chemnitz-Zwickau, Chemnitz, Germany, 1998.


Gomez-Folgar:2018:MPA


Gueunet:2019:TBA


Gravvanis:2012:SFD


Giordano:1999:IBP


Garzon:1999:PIE


Giannoutakis:2009:DIP

1532-0626 (print), 1532-0634 (electronic).

**Giannoutakis:2007:MHP**


**Gallud:2001:EDF**


**Gallud:1999:DPR**


**Gallud:1999:CCU**


**Godlevsky:1999:PSA**

REFERENCES


REFERENCES


REFERENCES

Gianinazzi:2018:CAP
Lukas Gianinazzi, Pavel Kalvoda, Alessandro De Palma, Maciej Besta, and Torsten Hoe

Granat:2009:NPQ

Gropp:1995:MGX

Gianinazzi:2018:CAP

Geist:1996:VDP

Geist:1997:CPF

Gianinazzi:2018:CAP
REFERENCES


Gopalakrishnan:2011:FAM


Garland:2012:DUP


Gropp:1992:TIM


Gropp:1994:MCL


Gropp:1995:DPM


Gropp:1995:IMM


Gropp:1995:MMI

W. Gropp and E. Lusk. The MPI message-passing interface standard: Overview and status. In Dongarra et al. [D+95], pages 265–270. ISBN 0-444-82163-
REFERENCES

5. ISSN 0927-5452. LCCN QA76.88.H55 1995.


Gropp:2004:FTM


Girona:2000:VDC


Gropp:1996:HPP


Glendinning:1993:MMP


Gregoretti:2008:MGE


Garland:2008:PCE

0272-1732 (print), 1937-4143 (electronic).

**Gonzalez:2000:TSN**


**Gonzalez:2001:MIM**


**Gropp:1999:UMP**


**Gropp:1999:UMA**


**Gropp:1999:UMA**

REFERENCES


Sourendu Gupta and Pushan Majumdar. Accelerating lattice QCD simulations with 2 flavors of staggered fermions on multiple GPUs using OpenACC — a first attempt. *Computer Physics*


REFERENCES

Goedecker:2002:OPF


Gonzalez:2001:OET


Guarracino:1995:PMB


Grosset:2017:TTT


Govindan:1996:OMP

V. Govindan, Y. Park, X. Li, S. Crear, and O. Johnson. An overview of a MPI profiling environment for the NEC Cenju-3. In IEEE [IEE96b], pages 185–188. ISBN 0-8186-
REFERENCES

7533-0. LCCN QA76.642 M67 1996.

Gillich:1995:FPP

Genaud:2007:PMP

Grabowsky:1997:MBK
Lothar Grabowsky. MPI-basierte Koppelrandkomunikation und Einfluß der Partitionierung im 3D-Fall. (German) [MPI-based coupled edge communication and influence of partitioning in 3D-Fall]. Preprint-Reihe des Chemnitzer SFB 393 97,17, Universität Chemnitz-Zwickau, Chemnitz, Germany, 1997. 13 pp.

Gravvanis:2009:OBP

Grengbondai:1994:CPU

Greenfield:1995:OPS

Gropp:2000:RCD
REFERENCES


REFERENCES

[102x582] springer.com/chapter/10.1007/978-3-642-33518-1_1/.


G. A. Geist and V. S. Sunderam. Experiences with network based concurrent computing on the
REFERENCES


G. A. Geist and V. S. Sunderam. Network based concurrent computing on the PVM system. Technical report, Oak Ridge National Laboratory and Emory University, Knoxville, TN, USA and Atlanta, GA, USA, 19xx.


Guang R. Gao, Mitsuhisa Sato, and Eduard Ayguadé. Guest Editors introduction:


D. Germanas, A. Stepsys, S. Mickevicius, and R. K. Kalinauskas. HOTB update: Parallel code for calculation of three- and four-particle harmonic oscillator transformation brack-


REFERENCES


Guerrero:2014:PCM


Hadjidoukas:2010:NOP


Han:2011:HHL


Hussain:2011:PIA


Hoeffer:2001:PSP


Hamza:1995:PII


[HASnP00] Dixie Hisley, Gagan Agrawal, Punyam Satya-narayana, and Lori Pollock. Porting and performance eval-


REFERENCES


Hamid:2010:CMB


Hunold:2016:RMB


Hurwitz:2005:AMP


Huang:2005:TME


Hu:2016:CLG


He:2000:PAA


[HDB+12] Torsten Hoefler, James Dinan, Darius Buntinas, Pavan Balaji, and Brian Barrett. Leveraging MPI’s one-sided communication inter-


[Hoe12] Torsten Hoefler, James Dinan, Rajeev Thakur,

Heikonen:2002:ILB


Hadi:2013:CFA


Hebekher:1993:CPC


Herland:1998:CML


Huang:2009:EGO

Lei Huang, Deepak Easempati, Marcus W. Hervey, and Barbara Chapman. Exploiting global optimizations for OpenMP programs in the OpenUH compiler.
REFERENCES


Hempel:1994:MSM


Hempel:1996:SMM


Holmen:2014:ASI


Holmen:2014:EAS


Hursey:2012:AF


Hermanns:2012:SDM

REFERENCES

Huang:2018:ACO

Horiguchi:1994:ISP

Hermanns:2019:MEI

Hanson:2014:NCM

Hui:1995:SPS

Huang:1995:PNP

Horiguchi:1994:ISP

Hermanns:2019:MEI

Hui:1995:SPS

Huang:1995:PNP
REFERENCES


[HJBB14] Clifford Hall, Weixiao Ji, and Estela Błaisten-Barojas. The Metropolis Monte Carlo method with CUDA enabled Graphic Processing

Huang:2010:ELA


Hoffmann:1993:PFE


Hofmann:1995:CAP


Hong:2009:AMG


Hong:2010:IGP

REFERENCES


REFERENCES


REFERENCES


[Hollerbach:1995:FDA] Rainer Hollerbach. Fast dy-

[Hollingsworth:2012:SPI]

[Hosking:2012:CHL]

[Hadjidoukas:2005:OEM]

[Hawick:2011:HSL]

[Hidalgo:1999:MMP]

[Hadjidoukas:2002:MOI]
REFERENCES

2002. CODEN ???? ISSN 1097-2803.

Hariri:1995:STE


Hondroudakis:1995:PEV


Heckathorn:1996:SSP


Hilbrich:2013:MRE


Hilbrich:2013:MRE


Hariri:1993:MPI


Hoefler:2011:SPT

Torsten Hoefler, Rolf Rabenseifner, Hubert Ritzdorf, Bronis R. de Supinski, Rajeev Thakur, and Jesper Larsson Träff. The scal-

**Hoyos-Rivera:1997:UPB**


**Hempel:1997:IMN**


**Hartley:1993:CPS**


**Hesham:1994:PTS**


**Hertzberger:1995:HPM**


**Hungenahally:1995:PIQ**

A. Hungenahally and A. Suresh. PVM implementation of quadtree building algorithms on SIMD hypercube system. *IEEE International Conference on Algorithms and Architectures for Par-
REFERENCES


Hoefler:2012:OPC

Henriksen:2017:FPF

Haeuser:1994:RNS

Heimel:2013:HOP

Hormati:2012:SPS

Hu:2001:PCC
REFERENCES

Howes:2008:U


Ha:2008:NBP


Hluchy:1999:GWF


Humphres:1995:LBE


Husbands:1998:MSD


Huckle:1996:PIS


Hariri:2016:PPA

REFERENCES

[Huse:1999:CCD]

[Huse:2000:MOS]

[Huse:2001:LST]

[Hamidouche:2016:CAO]

[Houzeaux:2011:HMO]
REFERENCES


[Libo Huang, Zhiying Wang, Nong Xiao, Yongwen Wang, and Qiang Dou. Adaptive communication mechanism for accelerating MPI functions in NoC-based multicore processors. ACM Transactions on Architecture and Code Optimization, 10(3):18:1–18:??, September 2013. CODEN ???? ISSN 1544-3566 (print), 1544-3973 (electronic).]
REFERENCES


IEEE:1993:PSI


IEEE:1993:PIS


IEEE:1993:PFW


IEEE:1993:PSP


IEEE:1993:WHP


IEEE:1994:FSF


REFERENCES


REFERENCES


IEEE:1995:PFI


IEEE:1995:PNA


IEEE:1996:ICH


IEEE:1996:EIS


IEEE:1996:FSS


REFERENCES


IEEE:1997:APD


IEEE:1997:PPIP


IEEE:1997:TIPS


IEEE:2002:STI


IEEE:2005:IPD


Iida:2016:GET

Yuki Iida, Yusuke Fujii, Takuya Azumi, Nobuhiko Nishio, and Shinpei Kato. GPUrpc: Exploring transparent access to remote GPUs. ACM Transactions on Embedded Com-

[IFA+16]

IFIP:1995:KWC

[IFI95]
http://www.nsc.liu.se/~boein/ifip/kyoto/workshop-info/proceedings/.

Iwasaki:2004:NPS

[IH04]

Izaguirre:2005:PMS

[IHM05]

Iwama:2001:PLS

[KIHvA00]

Ierotheou:2005:GOC

[IJM+05]

Iwama:2001:PLS

[KIHvA00]
Kazuo Iwama, Daisuke Kawai, Shuichi Miyazaki,

Iwama:2002:PLS


Iwashita:1994:IPE


Ingle:1995:MAS


Ishizaka:2000:CGT


Ilroy:2001:IMP

Ilie:2016:AEC

Satake:2012:OGA

Imamura:2000:ASM

Ishihara:1999:VBS

Islam:2002:IAC


Performance evaluation of a multi-zone application in different OpenMP approaches. *In-...

Jaeger:2015:FGD

Jenkins:2014:PMD

Jann:1995:AMP

Johnson:2012:FOL
Tim Johnson, Pierre Fite-Georgel, Rahul Raguram, and Jan-Michael Frahm. Fast organization of large photo collections using


Jin:2011:HPC

REFERENCES


REFERENCES


Jones:1996:LLM

[Jon96] Chris R. Jones. Low latency MPI for Meiko CS/2 and ATM clusters. Thesis (m.a.), Department of Computer Science, University of California, Santa Barbara, Santa Barbara, CA, USA, 1996.

Joubert:1994:PAL


Jiang:2012:OSP


Juric:1995:UPV


Joldes:2014:SSH


Joubert:1994:PCT


Jost:2010:EHU

REFERENCES

Jimenez:2013:BCA


Judd:1994:PIV


Jin:2013:PCU


Jung:2005:DIM

Hyungsung Jung, Dongin Shin, Hyuck Han, Jai W. Kim, Heon Y. Yeom, and Jongsuuk Lee. Design and implementation of multiple fault-tolerant MPI over Myrinet (M$^3$). In ACM [ACM05], page 32. ISBN 1-59593-061-2. LCCN ????

Jussila:2015:PPP


Ju:1996:SPT


Jain:1996:IOP

Ravi Jain, John Werth, and James C. Browne, edi-

**Jin:1995:LTP**


**KA95**


**Kepner:2004:M**


**KAC02**


**Krone:1996:ICF**

O. Krone, M. Aguilar, B. Hirsbrunner, and V. Sunderam. Integrating coordination features in PVM. In Ciancarini and Hankin [CH96], pages 432–435. ISBN 3-540-61052-9. ISSN 0302-9743 (print), 1611-
Kapinos:2010:PPP

Khan:2017:RCS

Katamneni:1993:PPE

Karlsson:1998:CCC

Kaiser:2001:OCC
app/home/contribution.asp?wasp=7ab86fba89x91rwy%26referrer=parent%26backto=
issue%2C2%2C1%3Bjournal%2C1
2C1%2C2%3Blinkingpublicationresults%2C1
2C1%2C1.

Kruzel:2013:VOI

Kabir:2002:DIS

Klemm:2009:RTM

Kulkarni:2016:HAP

Knies:1994:SLL

Kitowski:1997:CPM
J. Kitowski, K. Boryczko, and J. Moscinski. Compari-

**Kannan:2016:HPP**


**Ke:2004:RCM**


**Klemm:2007:JIO**


**Karamcheti:1994:SOM**


**Krawezik:2006:PCM**


**Kacsuk:1997:GDD**

REFERENCES


Konuru:1994:ULP


Konuru:1994:UPP


Kotselidis:2017:HMR


Kanal:2012:MMC


Krotkiewski:2013:ESC


Kang:2018:PRS

[Zhijiang Kang, Ze Deng, Wei Han, and Dongmei Zhang. Parallel reservoir simulation with OpenACC and domain decomposition. Algorithms (Basel), 11(12), December 2018. CODEN ALGOCH. ISSN 1999-4893 (electronic).]
REFERENCES


Klingebiel:1995:COD


Klingebiel:1995:CPO


Kakimoto:2012:PCG


Komatitsch:2010:HOF


Kepner:2005:PPM


Kale:1996:PMD

[KFA96] R. P. Kale, M. E. Fleharty,

Kappiah:2005:JTD


Kramer-Fuhrmann:1994:TGP


Kowalik:1993:SPC


Kohl:1996:PTF


Kainz:2009:RCM


Keller:2003:TEE

REFERENCES

Keller:2010:RAM

Kafura:1996:CCC

Kwon:2010:SPC

Karrenberg:2012:IPO

Kramer:2015:SET

Khanna:2013:HPN
Gaurav Khanna. High-precision numerical simulations on a CUDA GPU: Kerr black hole tails. Journal of Scientific Comput-
REFERENCES

Kielmann:1999:MMC


Kallenborn:2019:MPC


Kucukboyaci:2001:PPT


Kjolstad:2012:ADG


Kojima:2017:HLG

REFERENCES

3:??, April 2017. CODEN ???? ISSN 1529-3785 (print), 1557-945X (electronic).


Kwon:2012:HAO


Kim:2016:DOF


Kemelmakher:1998:SAR


Karniadakis:2002:PSC


Dieter Kranzlmüller, Peter Kacsuk, Jack Dongarra, and Jens Volkert. Recent advances in parallel virtual machine and message passing...

**Kee:2003:POP**


**Kwon:2008:RPP**


**Kim:2011:ASC**


**Karami:2015:SPA**


**Konstantinou:2001:TTO**

Kobler:2001:DOP


Karrels:1994:PAM


Kofakis:1995:DPI


Liao:2011:DEM


Liao:2006:SDI


Liao:2007:CCS


der Plan catalog number 96TB100088.

Kormicki:1997:PLS


Komatitsch:2009:PHO


Koholk:1999:MPR


Kumar:2014:OMC


Kobayashi:2016:HSV


Kouzinopoulos:2015:MSM


**[Kirk:2010:PMP]**


**[Kalns:1995:DPD]**


**[Katouda:2017:MOH]**


**[Kono:2018:EO]**


**[Kasprzyk:2002:APV]**


**[Komura:2014:CPG]**

Yukihiro Komura and Yu-taka Okabe. CUDA pro-


REFERENCES


Kuhn:2000:OVT


Kamal:2005:SVT

Humaira Kamal, Brad Penoff, and Alan Wagner. SCTP versus TCP for MPI. In ACM [ACM05], page 30. ISBN 1-59593-061-2. LCCN ????

Klimach:2009:PCH


Kranzlmuller:2002:RAP


Kouetcha:2017:USP


Kunaseth:2013:ASD

Kalen:2011:CCL


Kranzlm:1999:MOM


Krots:1996:EEP


Krawczyk:2001:PIM


Kim:2013:MPE

REFERENCES


[KSV01] Dieter Kranzlmüller, Christian Schaubschläger, and Jens Volkert. An integrated record&replay mech-


Dimitri Komatitsch, Seiji Tsuboi, Chen Ji, and Jeroen Tromp. A 14.6 billion degrees of freedom, 5 teraflops, 2.5 terabyte earthquake simulation on the Earth Simulator. In ACM [ACM03], page ?? ISBN 1-58113-695-

Kuhn:1998:FFW

Kumar:1994:PPI

Kranzlmueller:1998:DPP

Kolonias:2011:DIE

Krotz-Vogel:1997:PPP

Kamal:2014:IFG

Kamburugamuve:2018:AML
Supun Kamburugamuve, Pulasthi Wickramasinghe, Saliya Ekanayake, and Geoffrey C. Fox. Anatomy
REFERENCES


Lobeiras:2016:DEI


Laguna:2015:DPF


Laforenza:2001:PHP

REFERENCES


Loos:1996:MPS


Lavi:1998:IPD

[R. Lavi and A. Barak. Improving the PVM daemon network performance by direct network access. Lecture Notes in Computer Science, 1497:44–??, 1998. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).]

Lashgar:2016:ESM


Loncar:2016:CPS

REFERENCES


[Luecke:2003:MCT] Glenn Luecke, Hua Chen,


REFERENCES


REFERENCES


automatic parallelisation. In Anonymous [Ano93g], pages 95–107. ISBN ???? LCCN ????

Lim:2011:ATC


Leon:1993:FPP


Leon:1993:FPA


Leon:1993:FPP


Levy:2019:USE


Loyot:1993:VVM


Lee:1999:PEJ

Bu-Sung Lee, Yan Gu, Wentong Cai, and Alfred Heng. Performance evaluation of
Liu:2016:MBM


Li:2010:SVC


Lassous:2000:HGA


Lpez-Gomez:2019:ESP


Leung:1995:EPE


Leung:1998:PAN

REFERENCES

Liao:2007:OOP


Lee:1996:TSF


Liu:2005:EIO


Lin:1995:DNC


Li:1996:PSI


Lin:2010:RTC

Fuchang Liu, Takahiro Harada, Young-Joon Lee, and Young J. Kim. Real-time collision culling of a million bodies on graphics processing units. *ACM Transactions on Graphics*, 29
REFERENCES


Li:1997:PIO


Liu:1995:WCD


Livny:2000:MYW


Lastovetsky:2010:RAP

LaSalle:2014:MBD

Lastovetsky:2008:RAP

Luecke:2003:CPM

Liang:1996:AEO

Li:2003:PNH

Luecke:2004:PSM
Glenn R. Luecke, Marina Kraeva, Jing Yuan, and

Ludwig:1995:PPF


Luecke:2001:SPO


Lin:2016:VDF


Lidbury:2015:MCC


Li:2012:PFA

Peng Li, Guodong Li, and Ganesh Gopalakrishnan. Parametric flows: auto-

**Luo:2014:ISM**


**Langlais:2002:SSM**


**Li:1993:SLL**


**Loh:1994:ISR**

B. C. Loh and G. A. Manson. Incorporating software reuse into the PCSC methodology. In de Gloria et al. [dGJM94], pages 929–941. ISBN ??? LCCN ???

**Larsen:1999:SPG**


**Lu:2013:MLP**

REFERENCES

Lee:2009:OGC


Losada:2014:EAL


Losada:2017:ARV


Lopéz:2015:PBV


Louca:2000:MFP


REFERENCES


[LSM\textsuperscript{+}18] Han Lin, Zhichao Su, Xiandong Meng, Xu Jin, Zhong Wang, Wenting Han, Hong An, Mengxian Chi, and Zheng Wu. Combining Hadoop with MPI to solve metagenomics problems that are both data- and compute-intensive. International Journal of Parallel Programming, 46(4):762–775, August 2018. CODEN IJPE5. ISSN 0885-7458 (print), 1573-7640 (electronic).


REFERENCES


Li:1995:CPP


Ludwig:1997:OUI


Liu:2004:HPR


Liang:2018:FMP


Li:1993:MSU


Lopes:2019:FBD

Paulo A. C. Lopes, Satyendra Singh Yadav, Aleksandar Ilic, and Sarat Kumar Patra. Fast block distributed CUDA implementation of the Hungarian al-


Shigang Li, Yunquan Zhang, and Torsten Hoefler. Poster: Cache-oblivious MPI all-to-all communications on many-core architectures. [Li:2017:PCO]
REFERENCES


Li:2018:COM


Lu:2019:PMM


Ma:2009:CRS


Mavriplis:2005:HRAa


Miguel:1996:APN


Maffeis:1994:SSD

REFERENCES

Moreno:2001:AEP


Mainland:2012:EHM


Malfetti:2001:AOW


Molero-Armenta:2014:OOI


Malyshkin:1995:PCT


Mirvis:1995:HML

[MALM95] Y. Mirvis, F. Abdi, B. Lajevardi, and P. Murthy. Hi-


Marowka:2005:EMT


Marowka:2006:BRP


Marowka:2007:PCD


Marowka:2009:BCT


Mehta:2006:MSG


Mattson:1994:PEP


Mattson:1995:PEP


Mattson:2000:BOF

Tim Mattson. BOF: OpenMP and its future developments. In ACM [ACM00], page 106. URL
REFERENCES


Mattson:2000:IO

Mattson:2001:EO

Matuszek:2001:APS

Mourao:2000:SSC

Marongiu:2012:OCE
Andrea Marongiu and Luca Benini. An OpenMP compiler for efficient use of distributed scratchpad memory in MPSoCs. IEEE Trans-

Maleki:2018:AHP


Maleki:2018:AHP

Muller:2012:SOA


Muller:2012:SOA

Ma:2013:KAT


Ma:2013:KAT

Min:2003:OOP


Min:2003:OOP

McKenzie:1994:CIM

REFERENCES


Malinowski:2018:SIP


Massaioli:2005:OPA


McDonald:1996:NNP


Mueller:2008:OSM


McKinney:1994:PGU


Moore:2001:RPA

REFERENCES

Moreira:2017:FCR

McRae:1992:VC

Mierendorf:2000:WMB

Marin:2017:ERF

Monteiro:2018:EGC

Muller:2009:EOA
Matthias S. Müller, Bronis R. de Supinski, and Barbara M. Chapman, editors. *Evolving OpenMP in an Age of Extreme Parallelism*:
5th International Workshop on OpenMP, IWOMP 2009

Matheou:2017:DDC


Megson:1998:CRH


Milovanovic:2008:NEE


Moody:2003:SNB


Martin:1995:DPC

I. Martin, J. C. Fabero, F. Tirado, and A. Bautista. Distributed parallel computers versus PVM on a workstation cluster in the simulation of time dependent partial differential equations. In


Montella:2017:VCB


Mazzariol:1997:PCS


Markidis:2015:OAN


Matthey:2001:EMO


Hwu:2012:GCG


Moll:2018:PCF

Simon Moll and Sebastian Hack. Partial control-flow linearization. *ACM SIG-


REFERENCES


REFERENCES

1007/978-3-642-30961-8_20/

Markus:1996:PEM


Min:2001:PCO


Mokbel:2011:ASR


Mitra:2014:AAP


Marjanovic:2010:ECC


Marowka:2004:OOA

Ami Marowka, Zhenying Liu, and Barbara Chapman. OpenMP-oriented applications for distributed shared memory architectures. Concurrency and Computation:
REFERENCES


Malakov:2018:CMT


Marendic:2016:NMR


Majumdar:1992:PPC


Mantovani:1995:HPS


Michailidis:2001:TSH


Michailidis:2002:PSL

Panagiotis D. Michailidis and Konstantinos G. Margaritis. A performance study of load balancing strategies for approximate string matching on an MPI heterogeneous system environment. *Lecture Notes in
REFERENCES


REFERENCES


T. P. McMahon and A. Skjellum. eMPI/eMPICH: embedding MPI. In IEEE
REFERENCES


Menden:1996:PPP


Marinho:1998:WMP


Mierendorf:1999:PMB


Migliardi:1999:PEH


Mourao:1999:IMO


Macias:2002:SEA


Mahinthakumar:2002:HMO

REFERENCES


<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
<th>Authors</th>
<th>Details</th>
</tr>
</thead>
</table>
REFERENCES

Martins:1998:JIW


Martorell:2005:BGP


Mossaiby:2017:OIH


Mie:1996:IER


Mallon:2016:MUB


Marin:1994:GAL

F. J. Marin, O. Trelles-Salazar, and F. Sandoval. Genetic algorithms on LAN-Message passing architectures using PVM: Application to the routing problem. In Davidor et al. [DSM94], pages 534–545 (or 534–543??). ISBN 3-540-58484-6. ISSN 0302-9743 (print), 1611-3349 (elec-


REFERENCES

Muller:2003:OCB


Malakar:2017:DMO


Manis:1996:EPT


Muller:2010:SMA


Mehra:1995:AIM


McKinney:1993:MMI


Mamontov:1998:AES

Manegold:1997:QBM

Morton:1995:LLP

Maleki:2016:HOT

Maly:1993:DCP

Nikolopoulos:2001:SID

Nikolopoulos:2001:EMA

Nagle:2005:BRM
REFERENCES


Nordling:1994:SOD


Nunez:2010:NTS


Nguyen:2008:GG


Nguyen:1995:SPI


Norden:2002:OVM


Norden:2006:OVM

CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic).


REFERENCES


[NNON00] Yasunori Nishitani, Kiyoshi Negishi, Hiroshi Ohta, and

*Nishitani:2000:IEO*


REFERENCES


Notz:2012:GBS


Nagaraj:1991:MHL


Naumenko:2016:ACT


Nukada:2012:SMG

Akira Nukada, Kento Sato, and Satoshi Matsuoka. Scalable multi-GPU 3-D FFT
REFERENCES


Neuberger:2012:MIS


Nandivada:2013:TFO


Nogueira:2016:BBW


Norcen:2005:HPJ


Nitsche:1998:FMP


Ng:2012:STT

tronic). HEART ’12 conference proceedings.

Nguyen:1994:DCE


Omar:2017:PSF


Oberhuber:1996:MNP


Orr:2015:SUR


Okulicka-Dluzewska:2001:PFE


Olivier:2012:CMW

REFERENCES

Oed:1993:CRM


Ong:2000:PCL


Owaida:2015:EDS


Otten:2016:MOI


Otero:2019:OAA


Ortega:2019:CAC

Okitsu:2010:HPC


Ohara:2006:MMP


Oh:2012:MOO


Oakley:1995:ADR


Orlando:2005:PSP


Oldehoef:2002:SIS

Rod Oldehoeft, editor. Special issue on software for high-performance systems: papers from the symposium...


REFERENCES


[OP10] Stephen L. Olivier and Jan F. Prins. Comparison of OpenMP 3.0 and other task parallel frameworks on unbalanced task graphs. *International Journal of Par-

ODowd:2006:WGM


Orlando:2000:MDT


Oliveira:2012:CCO


Overeinder:1997:BCD


Ostrand:1994:PIS

REFERENCES


REFERENCES

(press), 1532-0634 (electronic).

Panda:1995:GRW

Pan95a D. K. Panda. Global reduction in wormhole k-ary n-cube networks with multi-
destination exchange worms. In IEEE [IEE95f], pages 652–659. ISBN 0-8186-7074-
6. LCCN QA 76.58 I56 1995. IEEE catalog no. 95TH8052.

Panda:1995:IDE

Pan95b D. K. Panda. Issues in designing efficient and practical algorithms for collect-
ive communication on wormhole-routed systems. In Agrawal [Agr95a], pages 8–

Panda:2014:GAM

Pan14 Dhabaleswar K. Panda. GPU-aware MPI on RDMA-
enabled clusters: Design, implementation and eval-
uation. IEEE Transactions on Parallel and Dis-
CODEN ITDSEO. ISSN 1045-9219 (print), 1558-2183 (electronic). URL http://
www.computer.org/csdl/ trans/td/2014/10/06587715- [PB12]
abs.html.

Parsons:1993:EDC

Par93 I. Parsons. Evaluation of distributed communication sys-
tems. In Gawman et al. [GGK+93], pages 956–970
vol.2. ISBN ???. LCCN QA76.76.S64 C378 1993 v.1-
2. Two volumes.

Pal:2014:PMH

PARB14 Anirban Pal, Abhishek Agarwala, Soumyendu Raha,
and Baidurya Bhattacharya. Performance metrics in a hybrid MPI-OpenMP based
molecular dynamics simulation with short-range inter-
actions. Journal of Parallel and Distributed Computing, 74(3):2203–2214,
March 2014. CODEN JPDCER. ISSN 0743-7315 (print), 1096-0848 (electronic).
URL http://www.sciencedirect.com/
science/article/pii/S0743731513002505.

Patterson:1993:PPE

Pat93 Christopher S. Patterson. Parametric positron emission tomographic imaging
using parallel virtual machine: with an example using myocardial blood flow
analysis. M.s. thesis, University of Tennessee, Knoxville,

Puzniakowski:2012:TOI

PB12 Tadeusz Puźniakowski and Marek A. Bednarczyk. Towards an OpenCL implement-
REFERENCES

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-25261-7_15/. [PBC+01]

Pringle:2001:TPF


Pingali:1995:LCP

[PBG+95]


Plazek:1999:IIC


Plazek:2000:SCC


Prasanna:1995:FIP

Viktor K. Prasanna, V. P. Bhatkar, L. M. Patnaik, and S. K. Tripathi, editors. First IWPP parallel processing: proceedings of the First International
REFERENCES


Puthukattukaran:1994:DIP


Peng:2014:IDI


Poggi:1998:UPD


Plimpton:2011:MML


Pawliczek:2014:VED


Pennington:1995:DHC


Pernice:1996:RPP

REFERENCES


Pernice:1997:BRM


Pereira:1999:PBI


Papagapiou:1999:NWD


Petcu:1997:ISM

PETCU:1997:ISM


Petcu:2000:PDAa

PETCU:2000:PDAa


Petcu:2000:PDAb

PETCU:2000:PDAb

REFERENCES

Petcu:2001:WMM


Pharr:2005:GGP


Piernas:1997:APM


Pjesivac-Grbovic:2005:PAM


Pjesivac-Grbovic:2007:MCA


Prabhakar:2002:PCB

Achal Prabhakar, Vladimir Getov, and Barbara Chapman. Performance comparisons of basic OpenMP

**Peng:2018:CDC**


**Pessoa:2018:GAB**


**Poirier:2018:DAB**


**Pervez:2010:FMA**


**Papakonstantinou:2013:ECC**


*Park:2005:SOA*
REFERENCES


Papadopoulos:2001:NRC


Paul:2006:TLF


Prabhakar:2016:GCH


Plank:1995:ADC


Preissl:2010:OCC


Periyathamby:1995:NSG

U. Periyathamby, B. C. Khoo, K. S. Yeo, and Q. X. Wang. A numerical simulation of the growth and collapse of vapour cavity near a free surface on distributed

Pruyne:1996:ICP


Plachetka:2002:QTS


Park:2004:DID


Piriyakumar:2002:EFI


Pfenning:1995:OCP


Piscaglia:1995:DOC

P. Piscaglia, B. Macq, and
REFERENCES


[PQ07] Marco Pedicini and Francesco Quaglia. PELCR: Paral-

**Pinho:2018:CTM**


**Pierce:20194:PIN**


**Pierce:1994:PSH**


**Pozo:1994:FTE**


**Priimak:2014:FDN**


**Peña:2014:CEC**

Prades:2016:CAX


Pedroso:2000:MPC


Protopopov:2000:SMC


Pandey:2007:SCM


Park:2019:DBO


Pehrson:1994:IPP


Perez:2019:A


Peters:2011:FPC

Christina M. Patrick, Seung-Woo Son, and Mahmut Kan-demir. Comparative eva-
uation of overlap strategies with study of I/O overlap in MPI-IO. *Operating
(print), 1943-586X (electronic).

Robert Preissl, Martin Schulz, Dieter Kranzlmüller, Bronis R. de Supinski, and
Daniel J. Quinlan. Transforming MPI source code based on communication
CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic).

M. Prieto, R. Santiago, I. M. Llorente, and F. Tirado. A parallel robust multigrid
algorithm based on semi-coarsening. In Dongarra et al. [DLM99], pages 307–316.
LCCN QA76.58 E973 1999.

Yuanxi Peng, Manuel Saldaña, Christopher A. Madill, Xiaofeng Zou, and Paul Chow.
Benefits of adding hardware support for broadcast and reduce operations in
MP-SoC applications. *ACM Transactions on Reconfigurable Technology and Sys-
tems (TRETS)*, 7(3):17:1–17:??, August 2014. CODEN ???. ISSN 1936-7406
(print), 1936-7414 (electronic).

Craig L. Plunkett, Alfred G. Striz, and J. Sobieszczanski-Sobieski. Application of
MPI in displacement based multilevel structural optimization. *Lecture Notes
in Computer Science*, 2131:335–??, 2001. CODEN LNCS09. ISSN 0302-9743
link/service/series/0558/1
bibs/2131/21310335.htm; http://link.springer-
ny.com/link/service/series/0
558/papers/2131/21310335.
pdf.

Nileshchandra K. Pikle, Shailesh R. Sathe, and Arvind Y. Vyawahare. Ac-
celerating the finite element analysis of functionally

**Payrits:2000:UPC**


**Pears:2001:DLB**


**Prost:2001:MIG**


**Prost:2001:THP**

PERAZA:2016:PGQ


PIERRO:2018:SFP


PHAN-THIEN:1994:CDL


PRYLLI:1999:DHP


PUSKAS:1995:LBW


PEINADO:1997:HPC


PARK:2001:PPE

Insung Park, Michael J. Voss, Seon Wook Kim, and Rudolf Eigenmann. Parallel
REFERENCES


Pahl:1995:CCB


Preissl:2012:CSS


Pang:2016:MKR


Pirkelbauer:2019:BTF


Prasad:1995:PPB

Perla:2012:PAH


Phillips:2002:NBS


Qiu:2012:PWM


Qawasmeh:2017:PPR


Quoy:2000:PNN


Qaddouri:1995:MFS

Qaddouri:1996:CPC


Qu:1995:FAS


Quinn:2003:PPC


Russell:1992:CMW


Rashti:2009:SAM


Rabenseifner:1998:MG1

[Rab98] R. Rabenseifner. MPI-GLUE: Interoperable high-performance MPI combining different vendor’s MPI worlds. *Lecture Notes in
REFERENCES


**Rabenseifner:1999:APM**


**Ragg:1996:PEN**


**Ratha:1995:DED**


**Roussos:2001:BMB**


**Rantakokko:2005:DMO**


**Rehman:2016:VMJ**


**Ramadan:2007:TDM**


**Ram07**

REFERENCES


[Ree96] A. Reeves, editor. *Proceedings of the 1996 International Conference on Challenges for Parallel Process-
REFERENCES


 REFERENCES


Rivas-Gomez:2018:MWS


Rizzardi:2017:ATS


Ratha:1995:CUC


Rodrigues:2014:TPS

REFERENCES


REFERENCES


Roe:1999:PMI

Rietmann:2012:FAS

Ramesh:2018:MPE

Rodrigues:2013:POM

Rohrl:2000:PPS
Rolfe:1994:PAP


Rolfe:2008:PF


Rolfe:2008:SMA


Rosen:2013:PVA


Roth:2019:AOC


Ramon:1995:PKV


Rodriguez:2008:FTS

REFERENCES


Reano:2019:APP

Rabaea:2000:EPM

Rageb:2001:CEM

Rauber:2002:LSH

Roda:1997:PPI

Roig:2001:EMM
REFERENCES

Robinson:1996:TMI


Russ:1999:UHR


Rabenseifner:1993:CDR


Reinefeld:1995:PVE


Roy:1997:PNT


Reano:2019:SIN


acceleration for heterogeneous platforms with compilation to OpenCL. *ACM Transactions on Architecture and Code Optimization*, 16(2):14:1–14:??, May 2019. CODEN ????? ISSN 1544-3566 (print), 1544-3973 (electronic).

**Ropo:2009:RAP**


**Simonsen:1993:DMD**


**Saito:2017:NIT**


**Saphir:1997:SMI**

REFERENCES

NHSE Review, 2(1):??, November 1997.


for MPI programs. In ACM [ACM04], page 38. ISBN 0-7695-2153-3. LCCN ????

Selikhov:2002:MCC

[SBG+02]

Schindewolf:2012:WSA

[SBG+12]

Sani:2014:PDF

[SBQZ14]

Smith:1995:CRC


Smith:2004:SIP


Saltz:1991:MRT

REFERENCES


REFERENCES


J. Schuele. Heading for an asynchronous parallel ocean model. In Dongarra et al.
REFERENCES


Schevtschenko:2001:PAS


Searles:2019:MOA


Song:1997:ALL


Suppi:2000:IOP


Suppi:2001:PCS

REFERENCES

Santos:1997:ECP


SCRI:1992:PWC


Shi:2012:VGA


Szeberenyi:1999:SGB


SM-D:2013:BRC


Sorensen:2016:EER


Skjellum:1994:WLM

REFERENCES

Sorensen:2016:PIW

Tyler Sorensen, Alastair F. Donaldson, Mark Batty, Ganesh Gopalakrishnan, and Zvonimir Rakamaric.

Schmitt:2017:SCP

Felix Schmitt, Robert Dietrich, and Guido Juckeland.

Sandes:2010:CUG

Edans Flavius O. Sandes and Alba Cristina M. A. de Melo.

Sistare:1999:MSP

Steve Sistare, Erica Dorenkamp, and Nick Nevin.
MPI support in the Prism programming environment. In ACM [ACM99], page ??.

Sampaio:2013:DA

Diogo Sampaio, Rafael Martins de Souza, Sylvain Collange, and Fernando Magno Quintão Pereira.

Skjellum:1995:EMP

A. Skjellum, N. E. Doss, K. Viswanathan, A. Chowdappa, and P. V. Bangalore.

Sack:2002:FMB

Paul Sack and Anne C. Elster.
Spencer:2015:DLN


Schenck:2016:EPM


Segovia:2010:PPN


Seifert:1999:ESI


Sept:1993:DIP


Serot:1997:EPF


Sevenich:1998:PPU

Richard Sevenich. Parallel processing using PVM.
REFERENCES

Scott:1998:PWN


Schoinas:1994:FGA


Steuwer:2015:GPP


Siegelin:1995:BPW


Shen:2013:ACE


Selikhov:2005:CMB

References


Saito:2003:LSP


Sekharan:1995:LBM


Solsona:2000:MCM


Stone:2010:OPP


Scherer:2000:APO

[SGZ00] Alex Scherer, Thomas Gross, and Willy Zwaenepoel.

M. Schmidt and R. Hanisch.

D. Sitsky and E. Hayashi.

Sukhyun Song and Jeffrey K. Hollingsworth.

H. Shen.

P. M. A. Sloot, A. G. Hoekstra, and L. O. Hertberger.

P. M. A. Sloot, A. G. Hoekstra, and L. O. Hertberger.
REFERENCES


Samadi:2012:AIA


Shah:2000:FCS


Sato:2001:OGR


Simmendinger:2019:ISG


Siegel:1992:FFS

REFERENCES

Siegel:1992:FSF


[Sil96]


Sinovec:1993:SCP


Silla:2017:BRG


Sharma:2017:PDR

REFERENCES

URL http://dl.acm.org/citation.cfm?id=3084442.

**Sistare:2002:UHP**


**Szo:2017:PET**


**Samadi:2014:PPB**


**Shen:1992:VTD**


**Smith:2000:DPM**

REFERENCES

ID=76500350&PLACEBO=IE.

Sanders:2010:CEI


[SK10]

Steinberger:2014:WTB


[SKB+14]

Skjellum:2004:RTM


[SKH96]

Subramaniam:1996:CLU


[SKK+12]

Skjellum:1993:SLH


[Skj93]

Steinberger:2012:SDS

Markus Steinberger, Bernhard Kainz, Bernhard Kerbl, Stefan Hauswiesner, Michael Kenzel, and Dieter Schmalstieg. Softshell: dynamic

**Spiechowicz:2015:GAM**


**Satoh:2001:COT**


**Sall:1994:CIS**


**Scales:1994:DES**


**Swanson:1995:PAP**


**Shyu:2000:APV**

Shyong-Jian Shyu and B. M. T. Lin. An application of parallel virtual machine

**Skjellum:1995:EAM**


**Scherer:1999:TAP**


**Samadi:2014:SPS**


**Su:2012:CPB**


**Sloan:2005:HPL**

Squyres:1996:CBP


Shires:2002:EHM


Shires:2003:OPF


Simos:2007:CMS


Santos:2012:ICC


Siegel:2008:CSE

[SMAC08] Stephen F. Siegel, Anastasia Mironova, George S. Avrunin, and Lori A. Clarke.

Shterenlikht:2015:FC


Smith:1993:MBA


Smith:1993:DSI


Schochaki:1993:DCW


Schardl:2017:TEF


Sandes:2016:MMA


Shekofteh:2019:MSG


Sintorn:2011:EAF


Snir:1998:MCR


SousaPinto:2001:PEI


REFERENCES


**Skjellum:1996:TTM**


**Si:2018:DAA**


**Sener:1996:DPP**


**Subramoni:2012:DSI**


**Silva:1999:DPP**


**Schmidl:2012:PAT**


Schmidt:1994:EAO


Szymanski:1996:LCR


Silva:1999:IME


Shan:2001:CMS


Schwarz:2009:GFG


Shan:2012:OAA

REFERENCES


REFERENCES


Skjellum:1994:DEZ


Sabne:2012:ECO


Stellner:1995:CMP


Sosa:2000:IQC


Sala:2008:PHP


Schafers:1995:TGP


Squyres:1997:DEM

J. M. Squyres, B. Saphir, and A. Lumsdaine. The design and evolution of the

**Shi:2010:PAE**


**Stone:1994:PSO**


**Shelton:1994:FPS**


**Sen:1999:PBD**


**Santana:1996:PVM**


**Souza:1997:EPH**

P. S. Souza, L. J. Senger, M. J. Santana, and R. C.


[Sta95b] Z. Stankovski. A massively parallel algorithm for the collision probability calculations in the APOLLO-II code using the PVM library. In ANS [ANS95], pages 1573–1583. ISBN 0-89448-
REFERENCES


**Stephens:1994:PBT**

R. Stephens. Parallel benchmarks on the Transtech Paramid supercomputer. In de Gloria et al. [dGJM94], pages 136–146. ISBN ???.

**Stellner:1996:CCP**


**Sterling:2000:SCB**


**Still:1994:PPC**


**Schmitz:2008:IIG**


**Sunderam:1997:TAS**


**Stockinger:1998:VPC**


**Stpiczynski:2002:PPO**

Przemyslaw Stpiczynski. Parallel Programming in OpenMP helps novices: a

**Stpiczynski:2018:LBV**

Przemysław Stpiczynski.

**Sala:2019:IBN**


**Strietzel:1994:NJI**


**Strietzel:1996:PTS**


**Strietzel:1997:PTS**

REFERENCES


V. S. Sunderam. PVM: a framework for parallel distributed computing. Technical Report ORNL/TM-11375, Dept. of Math and Computer Science, Emory University, Atlanta, GA, USA, February 1990. See also [Sun90b].

REFERENCES

cember 1990. CODEN CPEXEI. ISSN 1040-3108.

See also the earlier technical report [Sun90a].

Sunderam:1992:CCP


Sunderam:1993:PCC


Sunderam:1994:GPP


Sunderam:1994:MSH


Sunderam:1995:RIH


Sunderam:1996:PSS


Suresh:1995:IOP


Suresh:1995:PIQ


Suttner:1996:SPB

[Sut96] C. B. Suttner. SPTHEO—a PVM-based parallel theorem prover. Lecture Notes in Computer Science,
REFERENCES


Steve Sistare, Rolf van de Vaart, and Eugene Loh. Optimization of MPI collectives on clusters of large-scale SMPs. In ACM [ACM99], page ??


Gopalakrishnan Santhanaraman, Jiesheng Wu, Wei
REFERENCES


Sitsky:1995:IPM


Skjellum:2001:OOA


Shan:2012:PEH


Shee:1994:DMA


Sotiriou-Xanthopoulos:2018:OBV

Efstathios Sotiriou-Xanthopoulos, Leonard Masing, Sotirios Xydis, Kostas Siozios, Jürgen Becker, and Dimitrios Soudris. OpenCL-based virtual prototyping and simulation of

**Stathopoulos:1995:DLB**


**Sydow:1994:PSA**


**Stathopoulos:1996:PIM**


**Song:2019:PGA**


**Schneider:2009:CPM**


**Stankovic:1999:NVJ**

REFERENCES

**Siegel:2011:AFV**


**Simmunovic:1995:MIP**


**Simmunovic:1995:MIP**


**Thompson:2014:CIC**


**Takeda:2001:AME**


**Traff:2014:SPE**


**Tao:2012:UGA**

REFERENCES


(TCBV10) Alexandros Tzannes, George C. Caragea, Rajeev Barua, and Uzi Vishkin. Lazy binary-splitting: a run-time adaptive work-stealing scheduler. ACM SIGPLAN Notices,
REFERENCES


REFERENCES


REFERENCES


Thakur:2002:ONA


Thakur:1998:CUM


Teijeiro:2019:OPS


Tian:2005:CEN

[Xinmin Tian, Jay P. Hoeffinger, Grant Haab, Yen-Kuang Chen, Milind Girkar, and Sanjiv Shah. A com-

**Trefftz:1994:DPE**


**Tran:2000:PPM**


**Thomsen:1994:RTS**


**Throop:1999:SOS**


**Traeff:1999:FFE**


**Takizawa:2015:ODT**

Hiroyuki Takizawa, Shoichi Hirasawa, Makoto Sugawara, Isaac Gelado, Hiroyaki Kobayashi, and Wen

Tabakin:2009:QPE


Thoman:2012:AOL


Tang:2016:AKM


Tennyson:2015:MOI


Tallen:2009:EPM

REFERENCES


[TOC18] pdf.
REFERENCES


REFERENCES

CODEN LNCSDE. ISSN 0302-9743 (print), 1611-3349 (electronic).

Traff:1998:PRL

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Traff:2002:IMP


Traff:2002:IMA

CODEN LNCSDE. ISSN 0302-9743 (print), 1611-3349 (electronic).

[Trä12a]

Traff:2012:AUE

CODEN PACOEJ. ISSN 0167-8191 (print), 1872-7336 (electronic).

Traff:2012:MTM

CODEN LNCSDE. ISSN 0302-9743 (print), 1611-3349 (electronic).
URL http://link.springer.com/chapter/10.1007/978-3-642-33518-1_15/.

Thakur:2005:OCC

Rajeev Thakur, Rolf Rabenseifner, and William Gropp. Optimization of collective communication operations in MPICH. The International Journal of High Performance Computing


REFERENCES


REFERENCES

ny.com/link/service/series/0558/papers/1908/19080137.pdf.


Theodoropoulos:1997:GSP


Tanaka:2000:PEO


Tellez-Velazquez:2018:CSI


Twerda:1996:PIT


Tourancheau:2001:SMN


Thorson:2012:SUF

Greg Thorson and Michael Woodacre. SGI UV2: a fused computation and data analysis machine. In


REFERENCES


REFERENCES


 USENIX:1995:PUT


 USENIX:2000:P


 Uehara:2002:MBP


 Unat:2012:AFD


 VanderPas:1993:PIG


 VanKatwijk:1995:AAC

REFERENCES


Oscar Vega-Gisbert, Jose E. Roman, and Jeffrey M. Squyres. Design and implementation of Java bindings in Open MPI. *Parallel Computing*, 59(??):1–20, November 2016. CODEN PACOEJ. ISSN
Vikas:2014:MGA


REFERENCES


REFERENCES


REFERENCES

0558/papers/1800/18000847.pdf.

Vaughan:1994:MPM


Vaughan:1995:MPM


Vaidya:2013:SDO


Vlassov:1997:SSM


Vandoni:1995:CSC


Vo:2009:FVP


Verkerk:1992:PIC


Vetter:2002:EPE


Verschelde:2015:PHC


Vasilache:2019:NAL


Wong:1999:BMM


Walker:1994:DSM


Walker:1994:EDS

REFERENCES

0167-8191 (print), 1872-7336 (electronic). See [Wal94a].

[Walker:1995:MVB]

[Walker:1996:MFA]

[Walker:1996:MP]

[Wallcraft:2000:SOV]

[Walker:2001:DLB]


[Wallcraft:2002:CCA]
Alan J. Wallcraft. A comparison of Co-Array Fortran and OpenMP Fortran for SPMD programming. The
REFERENCES


[Wickerson:2015:RSP] John Wickerson, Mark Batty, Bradford M. Beckmann, and Alastair F. Donaldson. Remote-scope pro-


REFERENCES


Emmett Witchel. Programmer productivity in a world

Wei:2012:OLL


Wang:2019:MEM


Wu:2014:OFB


Wegiel:2008:MCVa


Wegiel:2008:MCVb


Wegiel:2008:MCVc


Wittenbrink:2011:FGG

Craig M. Wittenbrink, Emmett Kilgarriff, and Arjun Prabhu. Fermi GF100 GPU
REFERENCES

Wagner:1996:GSG

Lehman:1994:IZP

Wismuller:1996:TSI

Wu:2007:IFR

Wolfe:2018:ODM

Weatherly:2003:DMS
D. Brent Weatherly, David K. Lowenthal, Mario Nakazawa, and Franklin Lowenthal. Dyn-MPI: Supporting MPI
REFERENCES


REFERENCES


Wende:2019:OVT


Wu:2014:MAG


Winkler:2017:GSM


Wendykier:2010:PCH


Walk:1995:RBD


Walker:1996:RBC

[Winstanley:1997:PDP]

[Wang:2009:MPM]

[Wolbers:1992:SPP]

[Worley:1996:MPE]


[Wagner:1994:CFD]

REFERENCES


[Wu:2011:PCH] Xingfu Wu and Valerie Taylor. Performance charac-

**Wu:2012:PCH**


**Wu:2013:PMH**


**Wang:2014:IPD**


**Worringen:2003:FPN**


**Wang:2019:FBA**

acm.org/ft_gateway.cfm?id=3268933.

Waidyasooriya:2017:OBF


Wu:1999:MCC


Wong:2011:EMS


Wilson:1996:SMS


Wu:2012:DPL


Wang:2016:MMF

Zeke Wang, Shuhao Zhang, Bingsheng He, and Wei Zhang. Melia: A MapRe-


Xu:2013:PMO


Yelon:1993:PTS


Yazdanpanah:2015:PHR


Yan:1994:PTA


Yang:2014:PMI


Ying:2003:NPK

REFERENCES


[YGH+14] Xu Yang, Deyuan Guo, Hu He, Haijing Tang, and Yanjun Zhang. An implementation of Message-

[Yetongnon:1996:PII]


[YH96]


[Yetongnon:1996:PII]


[Yero:2001:JOO]


[Yuasa:1996:RPG]

REFERENCES

[Yamazaki:2018:SIL]

[YL09]

[Yang:2016:HTM]

[Yan:2013:SFS]

[Yalamov:1997:BRT]

[Yilmaz:2011:RMS]
REFERENCES


Yu:2005:HPB


Yeh:2017:PFG


Yang:2008:DPL

Yoshinaga:2012:DBM


Yam-Uicab:2017:FHT


Yang:2011:PBP


Younge:2015:SHP


Yonezawa:1995:IED


You:2015:VFO

REFERENCES

Yong:1995:SOM


Yu:2012:SCC


Yang:2014:CNR


You:1995:PIM


Zounmevo:2014:FRC


Zaza:2016:CBP


Zahavi:2012:FTR

Eitan Zahavi. Fat-tree routing and node ordering pro-
REFERENCES

Zhong:2007:PPS [ZAT+07]

Zdetsis:1994:PMD [ZB94]

Zilli:1997:TBN [ZB97]

Part Number: CFP10355-CDR.

**REFERENCES**

**Zhang:1997:DED**


**Zhang:2001:PPV**


**Zhang:2004:PMV**


**Zelek:1995:DPP**


**Zemla:1994:WTC**


**Zhou:1995:FMP**


**Zhou:1995:RMR**

1995. IEEE catalog no. 95CH35751.

**Zhou:1996:FMP**


**Zhou:1998:LST**


**Zielinski:1994:PPS**


**Zu:1994:OSM**


**Zheng:2006:PEA**


**Zoraja:1999:SPD**

Zhang:2018:IRP


Zounmevo:2014:ESC


Zha:2017:IFM


Zha:2018:LSM


Zaki:1999:TSP

REFERENCES


J. A. Zollweg. Overview of PVM. In Anonymous [Ano93f], pages 981–986. ISBN ???. ISSN 0254-6213. LCCN ???.


F. Zambonelli, M. Pugassi, L. Leonardi, and

Zheng:2011:GLO


Zhao:2012:ASO


Zarrabi:2015:GSA


Zoltani:2001:EPO


Zouaoui:2017:CNG


Zaitsev:2019:SLD

D. Zaitsev, S. Tomov, and
REFERENCES


**Zareski:1995:EPG**


**Zheng:2005:SBP**


**ZWL13**


**Zhu:2017:OAP**


**Zhu:1995:RTC**

REFERENCES


